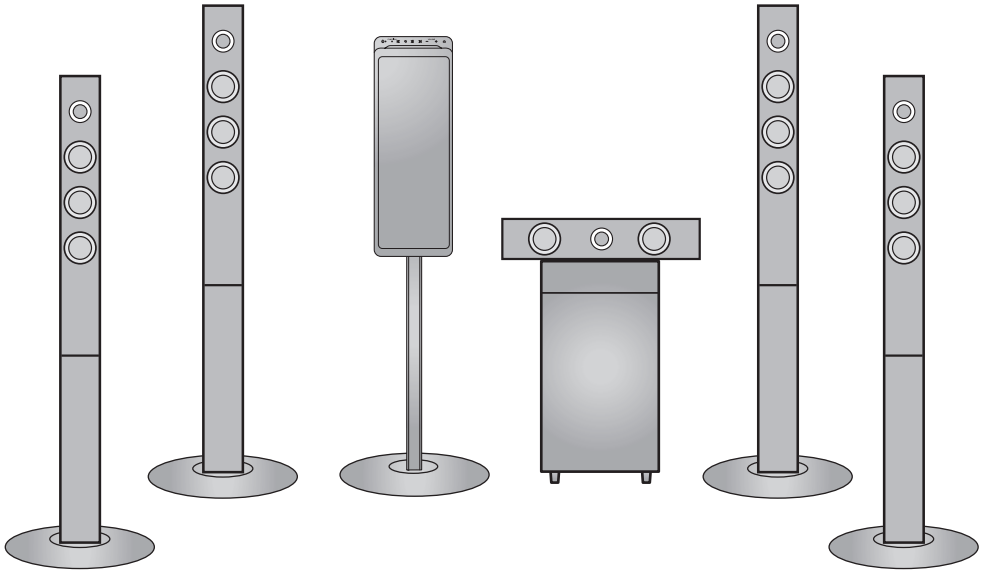
AH68-02013P(REV:1.0)

SAMSUNG

Instruction Manual ENG

DIGITAL HOME CINEMA SYSTEM

HT-TKX500



DVD-IN Anynet+ HDMI-CEC

USB HOST PLAY DIVX DOLBY DIGITAL PRO LOGIC II dts Digital Surround DVD VIDEO COMPACT disc DIGITAL AUDIO MP3 DIGITAL DISC PLAYBACK

Safety Warnings

CAUTION

RISK OF ELECTRIC SHOCK.
DO NOT OPEN

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE REAR COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

CLASS 1 LASER PRODUCT
KLASSE 1 LASER PRODUKT
LUOKAN 1 LASER LAITE
KLASS 1 LASER APPARAT
PRODUCTO LASER CLASE 1

This symbol indicates that dangerous voltage which can cause electric shock is present inside this unit.

This symbol alerts you to important operating and maintenance instructions accompanying the unit.

CLASS 1 LASER PRODUCT

This Compact Disc player is classified as a CLASS 1 LASER product.

Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

CAUTION-INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED, AVOID EXPOSURE TO BEAM.

WARNING : To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

CAUTION : TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

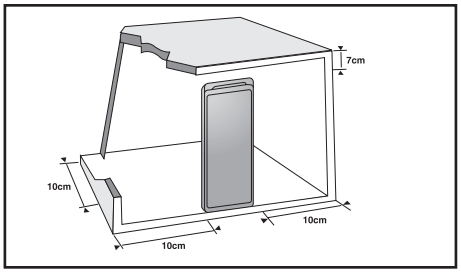
- This apparatus shall always be connected to a AC outlet with a protective grounding connection.
- To disconnect the apparatus from the mains, the plug must be pulled out from the mains socket, therefore the mains plug shall be readily operable.

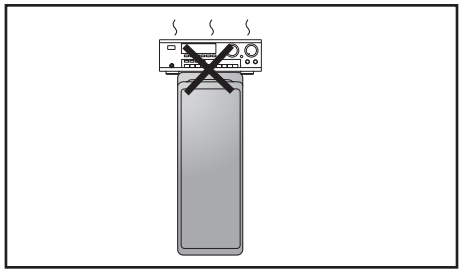
CAUTION

- Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
- The Mains plug is used as a disconnect device and shall stay readily operable at any time.

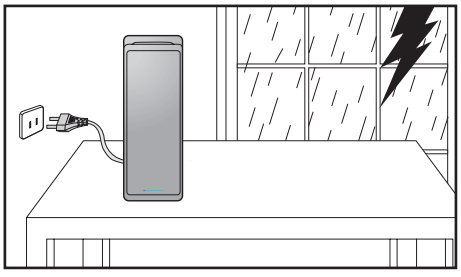
This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life.
To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.
Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.
Business users should contact their supplier and check the terms and conditions of the purchase contract.
This product should not be mixed with other commercial wastes for disposal.

Precautions

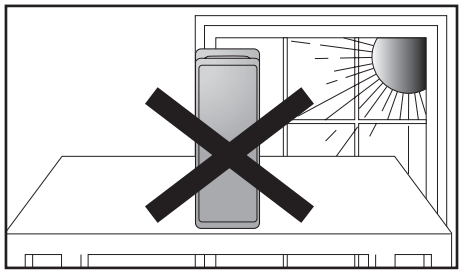




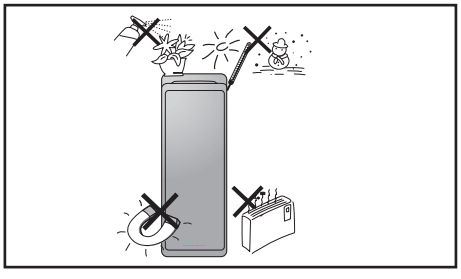
Ensure that the AC power supply in your house complies with the identification sticker located on the back of your player or subwoofer. Install your player or subwoofer horizontally, on a suitable base (furniture), with enough space around it for ventilation (7.5~10cm). Make sure the ventilation slots are not covered. Do not stack anything on top of the player or subwoofer. Do not place the player or subwoofer on amplifiers or other equipment which may become hot. Before moving the player, ensure the disc insert hole is empty. This player is designed for continuous use. Switching off the DVD player to the stand-by mode does not disconnect the electrical supply. In order to disconnect the player completely from the power supply, remove the main plug from the wall outlet, especially when left unused for a long period of time.



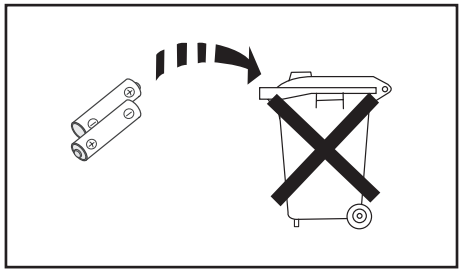
During thunderstorms, disconnect AC main plug from the wall outlet. Voltage peaks due to lightning could damage the unit.



Do not expose the unit to direct sunlight or other heat sources.
This could lead to overheating and malfunction of the unit.



Protect the player from moisture (i.e. vases), and excess heat (e.g.fireplace) or equipment creating strong magnetic or electric fields (i.e.speakers...). Disconnect the power cable from the AC supply if the player malfunctions.
Your player is not intended for industrial use.
Use of this product is for personal use only.
Condensation may occur if your player or disc has been stored in cold temperatures.
If transporting the player during the winter, wait approximately 2 hours until the unit has reached room temperature before using.



The batteries used with this product contain chemicals that are harmful to the environment. Do not dispose of batteries in the general household trash.

Features

Multi-Disc Playback & FM Tuner

The HT-TKX500 combines the convenience of multi-disc playback capability, including DVD-VIDEO, CD, MP3-CD, WMA-CD, DivX, CD-R/RW, and DVD±R/RW, with a sophisticated FM tuner,
all in a single player.

USB HOST Function support

You can connect and play files from external USB storage devices such as MP3 players, USB flash memory, etc. using the Home Theater's USB HOST function.

Dolby Pro Logic II

Dolby Pro Logic II is a form of multi-channel audio signal decoding technology that improves upon existing Dolby Pro Logic.

DTS (Digital Theater Systems)

DTS is an audio compression format developed by Digital Theater Systems Inc. It delivers full-frequency 5.1 channel sound.

TV Screen Saver Function

If the main unit remains in stop mode for 3 minutes, Samsung logo appears on TV screen.
The HT-TKX500 automatically switches itself into the power saving mode after 20 minutes in the Screen Saver mode.

Power Saving Function

The HT-TKX500 automatically shuts itself off after 20 minutes in Stop mode.

HDMI

HDMI transmits DVD video and audio signals simultaneously, and provides a clearer picture.
The 1080p(Full HD) resolution provides even clearer pictures.

Anynet+ (HDMI-CEC) Function

Anynet+ is a function that can be used to operate the main unit using a Samsung TV remote control, by connecting the Home Theater to a SAMSUNG TV using an HDMI Cable. (This is only available with SAMSUNG TVs that support Anynet+.)

Simple Touch Button

The touch button on this player has equipped with a sensor activated by a physical contact, which allows you to operate the button with simple touch.

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Notes on Discs

DVD (Digital Versatile Disc) offers fantastic audio and video, thanks to Dolby Digital surround sound and MPEG-2 video compression technology.
Now you can enjoy these realistic effects in the home, as if you were in a movie theater or concert hall.

DVD players and the discs are coded by region. These regional codes must match in order for the disc to play. If the codes do not match, the disc will not play.
The Region Number for this player is given on the rear panel of the player.
(Your DVD player will only play DVDs that are labeled with identical region codes.)

Playable Discs

Disc Type	Mark (Logo)	Recorded Signals	Disc Size	Max. Playing Time
DVD-VIDEO	DVD VIDEO	Audio + Video	12cm	Approx. 240 min. (single-sided)
				Approx. 480 min. (double-sided)
			8cm	Approx. 80 min. (single-sided)
				Approx. 160 min. (double-sided)
AUDIO-CD	COMPACT disc DIGITAL AUDIO	Audio	12cm	74 min.
			8cm	20 min.
Divx	DIVX	Audio + Video	12cm	74 min.
			8cm	20 min.

Do not use the following types of disc!

- LD, CD-G, CD-I, CD-ROM and DVD-ROM discs cannot be played on this player.
  If such discs are played, a **<WRONG DISC FORMAT>** message appears on the TV screen.
- DVD discs purchased abroad may not play on this player.
  If such discs are played, a **<CAN'T PLAY THIS DISC PLEASE,CHECK REGION CODE>** message appears on the TV screen.

Copy Protection

- **Many DVD discs are encoded with copy protection. Because of this, you should only connect your DVD player directly to your TV, not to a VCR. Connecting to a VCR results in a distorted picture from copy-protected DVD discs.**
- This product incorporates copyright protection technology that is protected by methods claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

Disc Recording Format

This product does not support Secure (DRM) Media files.

CD-R Discs

- Some CD-R discs may not be playable depending on the disc recording device (CD-Recorder or PC) and the condition of the disc.
- Use a 650MB/74 minute CD-R disc.
  Do not use CD-R discs over 700MB/80 minute as they may not be played back.
- Some CD-RW (Rewritable) media, may not be playable.
- Only CD-Rs that are properly <closed> can be fully played. If the session is closed but the disc is left open, you may not be able to fully play the disc.

CD-R MP3 Discs

- Only CD-R discs with MP3 files in ISO 9660 or Joliet format can be played.
- MP3 file names should be 8 characters or less in length and contain no blank spaces or special characters (. / = +).
- Use discs recorded with a compression/decompression data rate greater than 128Kbps.
- Only files with the <mp3> and extensions can be played.
- Only a consecutively written multisession disc can be played. If there is a blank segment in the Multisession disc, the disc can be played only up to the blank segment.
- If the disc is not closed, it will take longer to begin playback and not all of the recorded files may be played.
- For files encoded in Variable Bit Rate (VBR) format, i.e. files encoded in both low bit rate and high bit rate (e.g., 32Kbps ~ 320Kbps), the sound may skip during playback.
- A maximum of 500 tracks can be played per CD.
- A maximum of 300 folders can be played per CD.

CD-R JPEG Discs

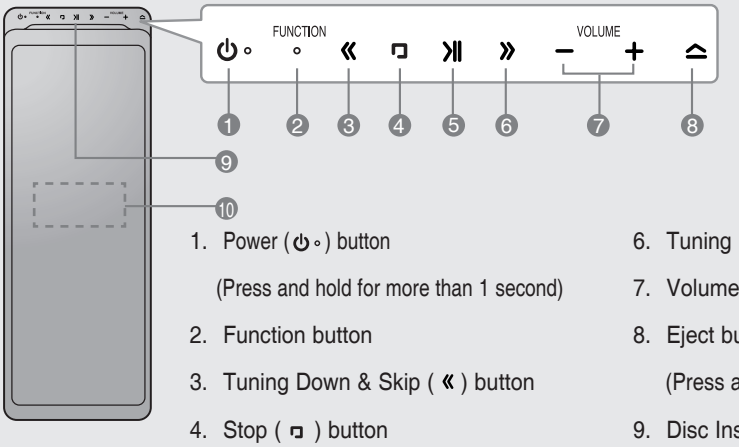
- Only files with the <jpg> extensions can be played.
- If the disc is not closed, it will take longer to start playing and not all of the recorded files may be played.
- Only CD-R discs with JPEG files in ISO 9660 or Joliet format can be played.
- JPEG file names should be 8 characters or less in length and contain no blank spaces or special characters (. / = +).
- Only a consecutively written multisession disc can be played. If there is a blank segment in the multisession disc, the disc can be played only up to the blank segment.
- A maximum of 9,999 images can be stored on a single CD.
- When playing a Kodak/Fuji Picture CD, only the JPEG files in the picture folder can be played.
- Picture discs other than Kodak/Fuji Picture CDs may take longer to start playing or may not play at all.

DVD±R/RW, CD-R/RW DivX Discs

- Since this product only provides encoding formats authorized by DivX Networks, Inc., a DivX file created by the user might not play.
- Software updates for incompatible formats are not supported.
  (Example: QPEL, GMC, resolution higher than 800 x 600 pixels, etc.)
- Sections with a high frame rate might not be played while playing a DivX file.
- For more information about the formats authorized by DivX Networks, Inc., please visit <www.divxnetworks.net>.

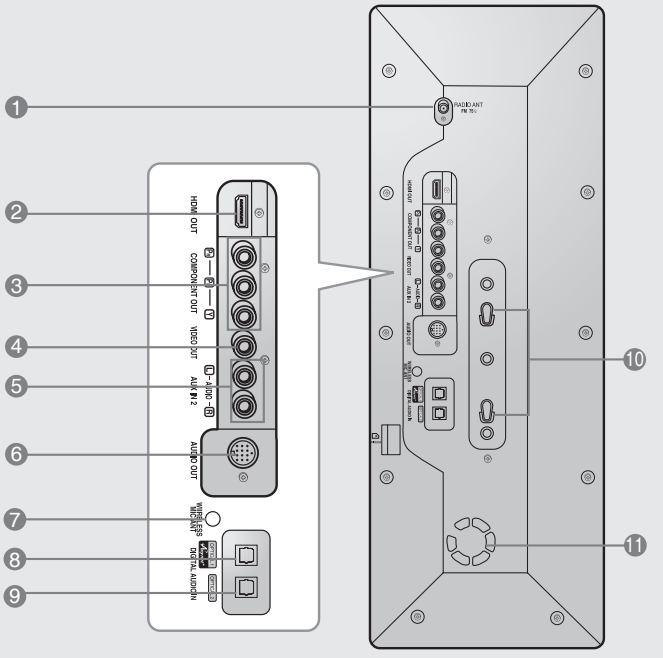
Description

Front Panel



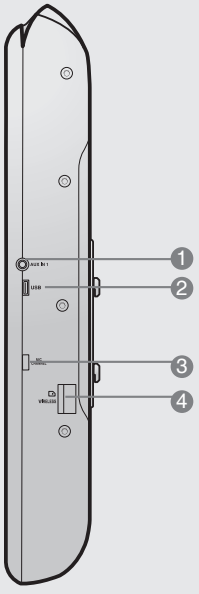
1. Power (⏻) button
   (Press and hold for more than 1 second)
2. Function button
3. Tuning Down & Skip (⏮) button
4. Stop (⏹) button
5. Play/Pause (⏯) button
6. Tuning Up & Skip (⏭) button
7. Volume Control button
8. Eject button
   (Press and hold for more than 1 second)
9. Disc Insert Hole
10. Display

Rear Panel



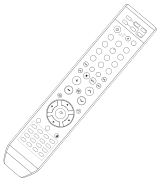
1. FM 75Ω COAXIAL Jack
2. HDMI OUT Jack.
3. Component Video Output Jacks
   Connect a TV with Component video inputs to these jacks.
4. Video Output Jack Connect your TV's Video Input jack (VIDEO IN) to the VIDEO OUT Jack on this unit.
5. AUX IN 2 Jacks (L/R)
6. Audio Output Jack
7. WIRELESS MIC ANT Jack
8. External Digital Optical Input Jack 1
   Use this to connect external equipment capable of digital output.
9. External Digital Optical Input Jack 2
   Use this to connect external equipment capable of digital output.
10. Stand Fix Hole
11. Cooling Fan

Side Panel



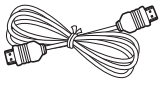
1. AUX IN 1 Jack
2. USB Port
3. MIC Channel Select Switch
4. TX Card Connection(WIRELESS)

Accessories



Remote Control

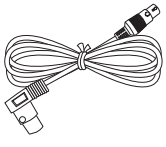
Video Cable



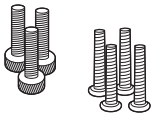
HDMI Cable

FM Antenna

User's Manual



System Cable



Screw(Large) : 3EA
Screw(Small) : 4EA

Core
(Toroidal Ferrite Core)

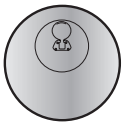
WIRELESS MICROPHONE
ANTENNA

Stand

DVD KARAOKE
DISC

SONG LIST BOOK

WIRELESS MICROPHONE
& BATTERY (1.5VX 3EA)

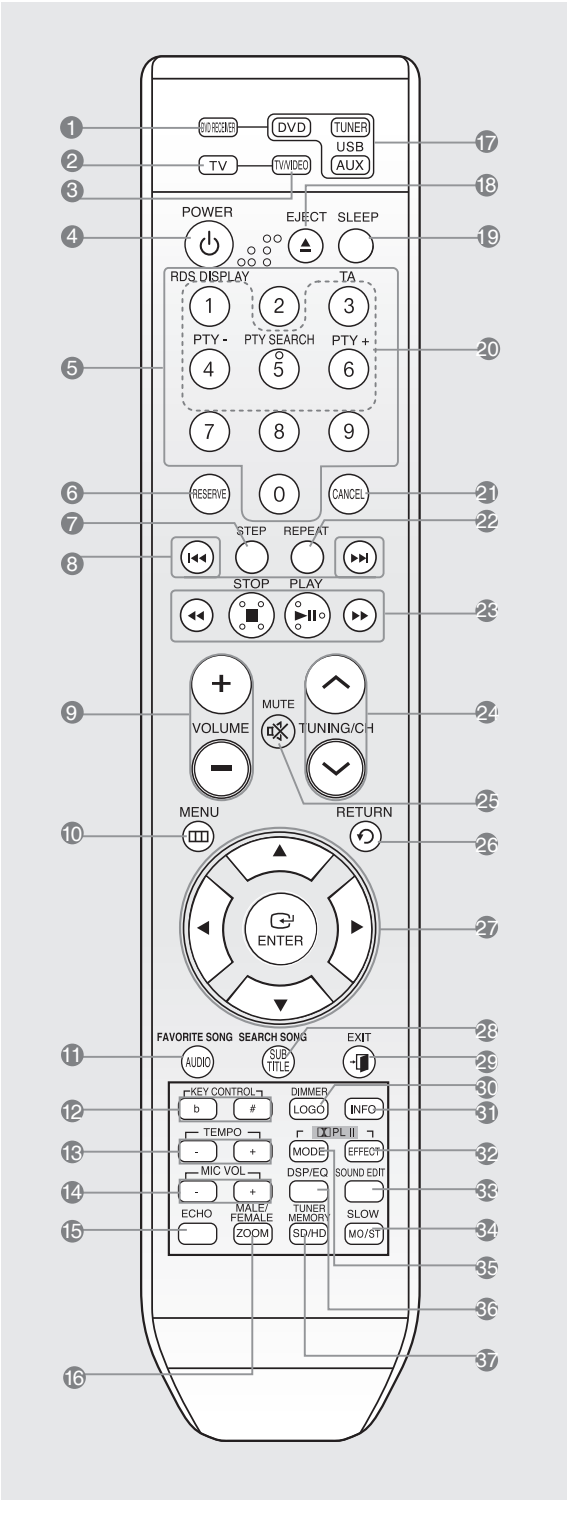


Stand basel

• For more information about the speaker system, refer to page 12.

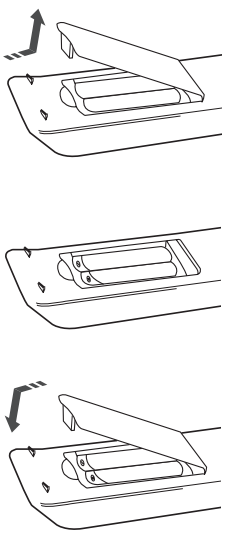
Description (Con't)

Remote Control



1. DVD RECEIVER button
2. TV button
3. TV/VIDEO button
4. POWER button
5. Number (0~9) buttons
6. RESERVE button
7. STEP button
8. Tuning Preset/CD Skip buttons
9. VOLUME button
10. MENU button
11. FAVORITE SONG, AUDIO button
12. KEY CONTROL buttons
13. TEMPO buttons
14. MIC VOL buttons
15. ECHO button
16. MALE/ FEMALE, ZOOM button
17. DVD button
    TUNER TUNER button
    USB AUX USB, AUX button
18. EJECT button
19. SLEEP button
20. RDS Selection buttons
21. CANCEL button
22. REPEAT button
23. PLAY/PAUSE button
    STOP button
    SEARCH buttons
24. TUNING/CH button
25. MUTE button
26. RETURN button
27. Cursor/ENTER button
28. SEARCH SONG, SUBTITLE button.
29. EXIT button
30. DIMMER button / BUZZER OFF button / HOLD button, LOGO button
31. INFO button
32. PL II EFFECT button
33. SOUND EDIT button
34. SLOW, MO/ST button
35. PL II MODE button
36. DSP/EQ button
37. TUNER MEMORY, SD(Standard Definition) / HD(High Definition) button

Insert Remote Batteries



1 Remove the battery cover in the direction of the arrow.

2 Insert two 1.5V AAA batteries, paying attention to the correct polarities (+ and –).

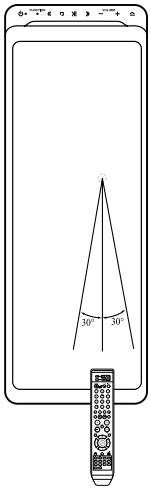
3 Replace the battery cover.

Follow these precautions to avoid leaking or cracking cells:

- Place batteries in the remote control so they match the polarity : (+) to (+) and (–) to (–).
- Use the correct type of batteries.Batteries that look similar may differ in voltage.
- Always replace both batteries at the same time.
- Do not expose the batteries to heat or a flame.

Operation Range of the Remote Control

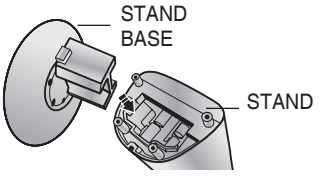
The remote control can be used up to approximately 7 meters(23 feet) in a straight line. It can also be operated at a horizontal angle of up to 30° from the remote control sensor.



Speaker Installation

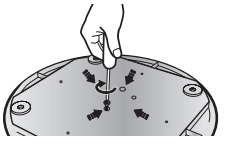
How to Install the Speaker and the Stand

1



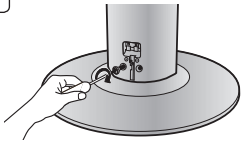
1 Turn the stand upside down and mount it on the stand base.

2



2 Tighten 4(Black) screws on the bottom side of the stand base.

3



3 Place the stand on the floor and tighten 2(Silver) on the back of the stand.

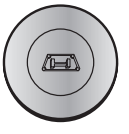
Speaker Packages

Please confirm that all the following contents are included in the package.

Front/Rear Speaker

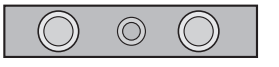
SPEAKER (4EA)

STAND (4EA)


STAND BASE (4EA)

SCREW (16EA): BLACK
SCREW (16EA): SILVER

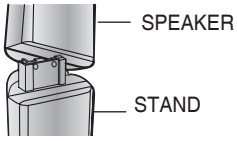
* Front speakers and rear speakers are packaged separately as shown in the diagram.


Center Speaker

Subwoofer Speaker

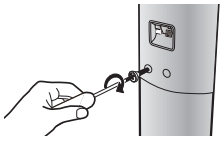
Speaker Cable (5EA)

4



4 Mount the speaker on the stand.

5



5 Tighten 2(Silver) screws on the back of the speaker.

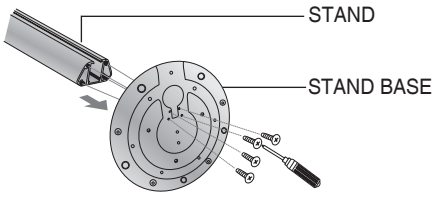
6

6 This is the successfully assembled speaker.

- Make sure that the speaker is installed on a flat and stable area. Otherwise it may be easily knocked over.

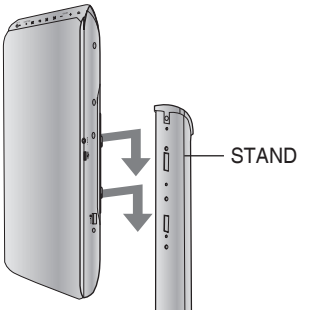
Installing the DVD player

1



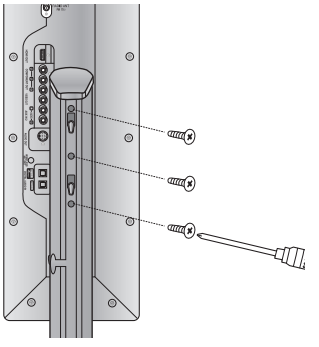
1 Mount the stand on the stand base and tighten 4 screws on the bottom side of the stand base.

2



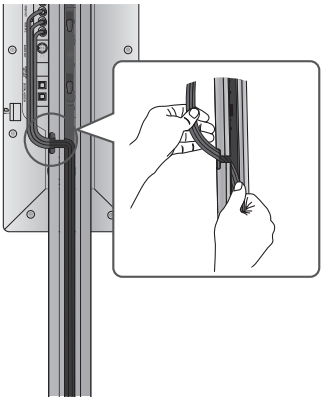
2 Secure the main unit by aligning 2 protruding points on the back of the main unit with the fixing holes on the stand.

3



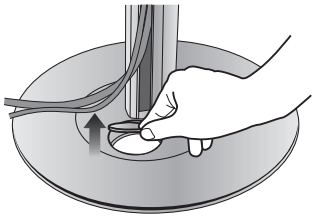
3 Tighten 3 screws in the middle of the stand.

4



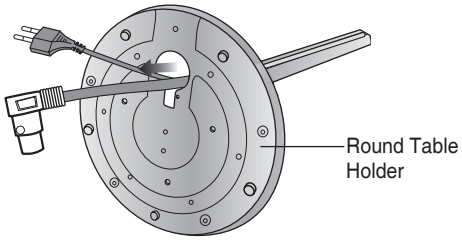
4 Push the cable into the cable fixing hole in the stand.

5



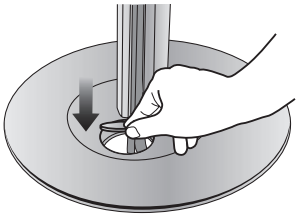
5 Open the holder cover of the round board on the bottom of the stand and pass the cables through the holder.

6



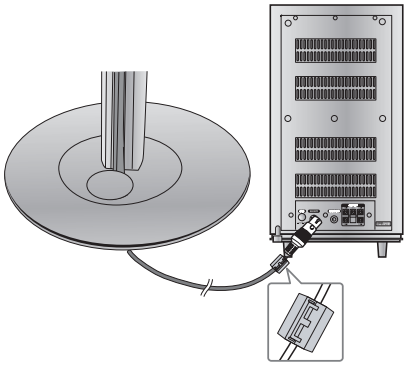
6 Squeeze the cables into the groove on the holder of the round board.

7



7 Close the holder cover.

8

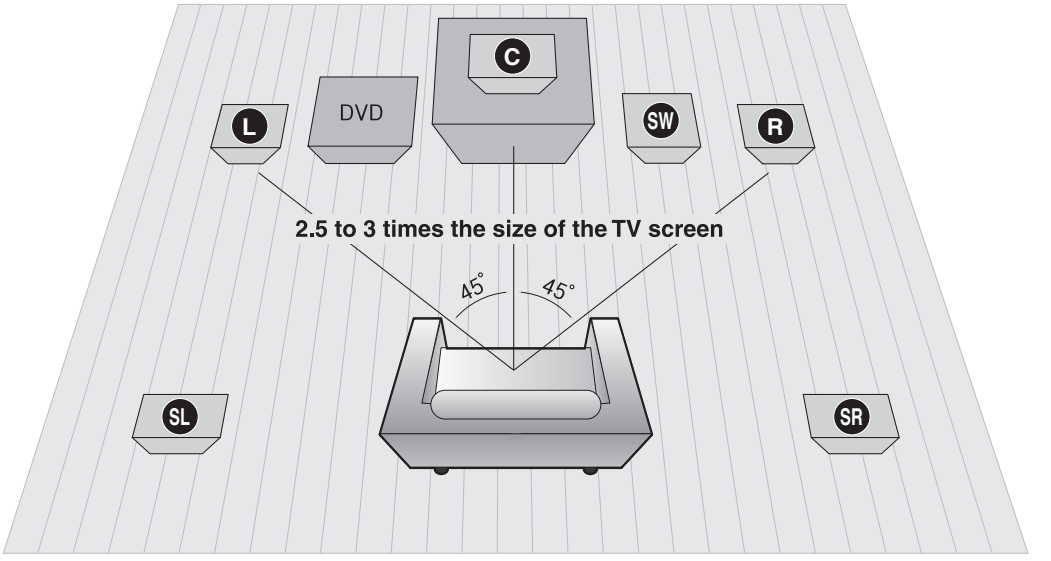


8 Open a Toroidal Ferrite Core by pulling it upward. Wrap it around of the system connection cable so it will be next to the DVD Player. Close it back by pressing it all the way down until you hear a clicking sound.

- For the stand packages, refer to page 9.
- The Toroidal Ferrite Core is designed to reduce electromagnetic waves that may cause interference.

Connecting the Speakers

Before moving or installing the product, be sure to turn off the power and disconnect the power cord.



Position of the DVD Player L R

- Place it on a stand or cabinet shelf, or under the TV stand.

Front Speakers C

- Place these speakers in front of your listening position, facing inwards (about 45°) toward you.
- Place the speakers so that their tweeters will be at the same height as your ear.
- Align the front face of the front speakers with the front face of the center speaker or place them slightly in front of the center speakers.

Center Speaker

- It is best to install it at the same height as the front speakers.
- You can also install it directly over or under the TV.

Selecting the Listening Position

- The listening position should be located about 2.5 to 3 times the distance of the TV's screen size away from the TV. Example :
  For 32" TVs 2~2.4m (6~8feet)
  For 55" TVs 3.5~4m (11~13feet)

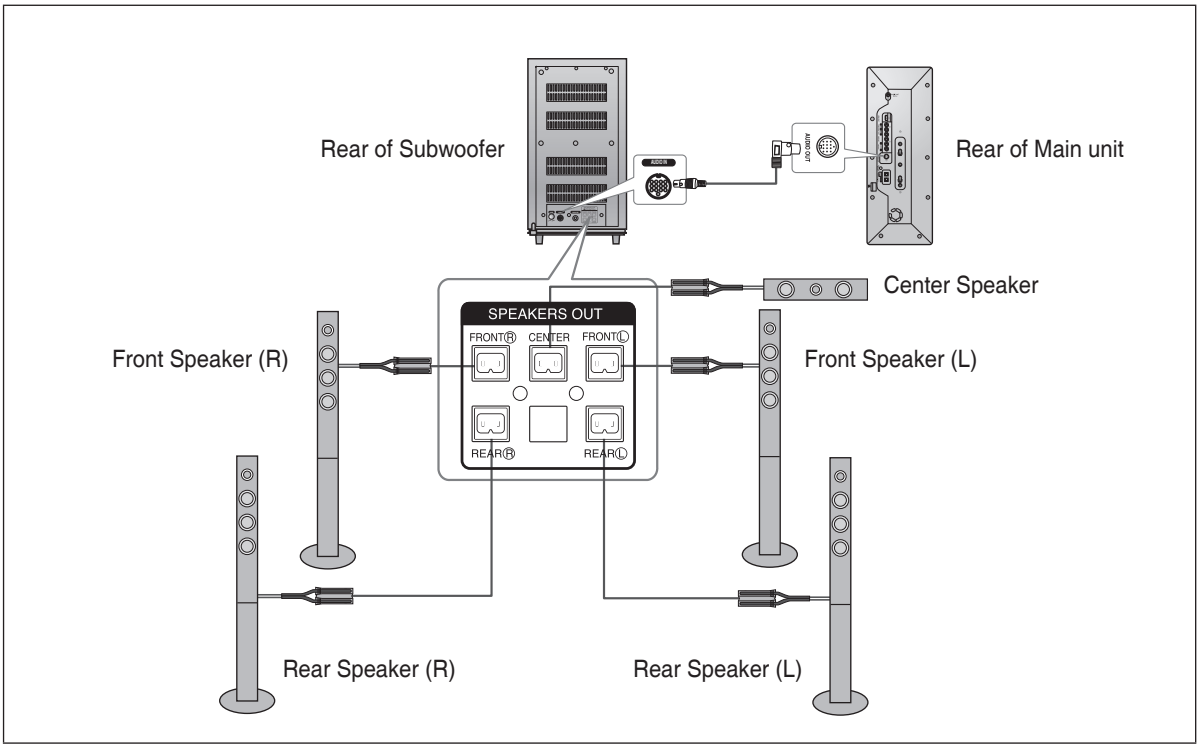
Rear Speakers SL SR

- Place these speakers behind your listening position.
- If there isn't enough room, place these speakers so they face each other.
- Place them about 60 to 90cm (2 to 3feet) above your ear, facing slightly downward.

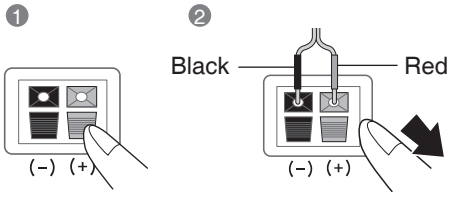
* Unlike the front and center speakers, the rear speakers are used to handle mainly sound effects and sound will not come from them all the time.

Subwoofer SW

- The position of the subwoofer is not so critical. Place it anywhere you like.



Connecting the Speakers



1 Press down the terminal tab on the back of the speaker.

2 Insert the black wire into the black terminal (–) and the red wire into the red (+) terminal, and then release the tab.

3 Connect the connecting plugs to the back of the Subwoofer.

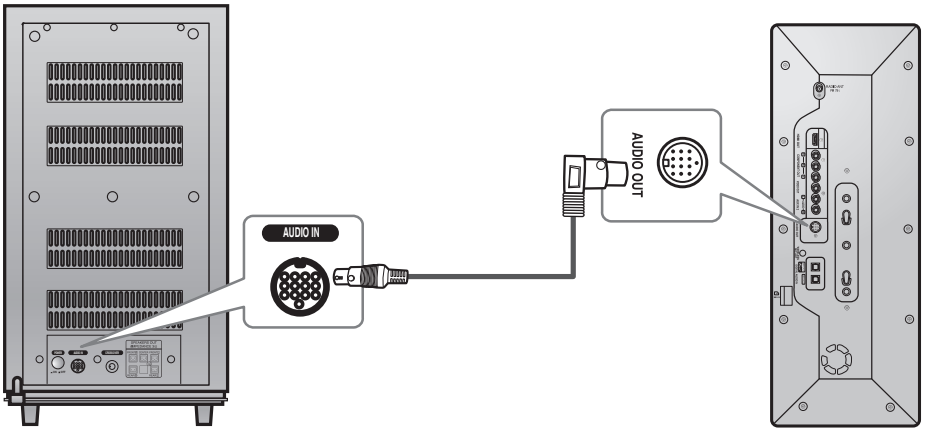
- Make sure the colors of the speaker terminals match the colors of the connecting plugs.

- Do not let children play with or near the speakers. They could get hurt if a speaker falls.
- When connecting the speaker wires to the speakers, make sure that the polarity (+/–) is correct.
- Keep the speaker out of reach of children so as to prevent children from inserting their hands or alien substances into the duct (hole) of the subwoofer speaker.
- Do not hang the subwoofer on the wall through the duck(hole)

- If you place a speaker near your TV set, screen color may be distorted because of the magnetic field generated by the speaker. If this occurs, place the speaker away from your TV set.

Connecting the Speakers (Con't)

Connecting the Main Unit and Subwoofer



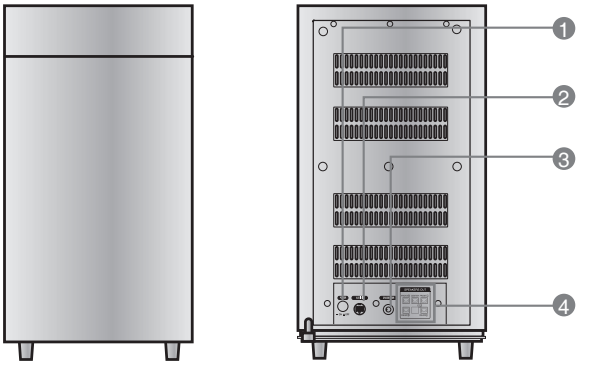
Rear of Subwoofer

Rear of Main unit

Use the system cable to connect the AUDIO OUT port of the main unit to the AUDIO IN port of the subwoofer.

subwoofer functions

Subwoofer: With the built-in, dedicated 165W amplifier, the subwoofer generates rich bass sounds.
Crossover: The Crossover sets the cutoff frequency for the subwoofer.
Set the Crossover control for the best bass response in your room.



1 Power button

2 External Audio Input Connector

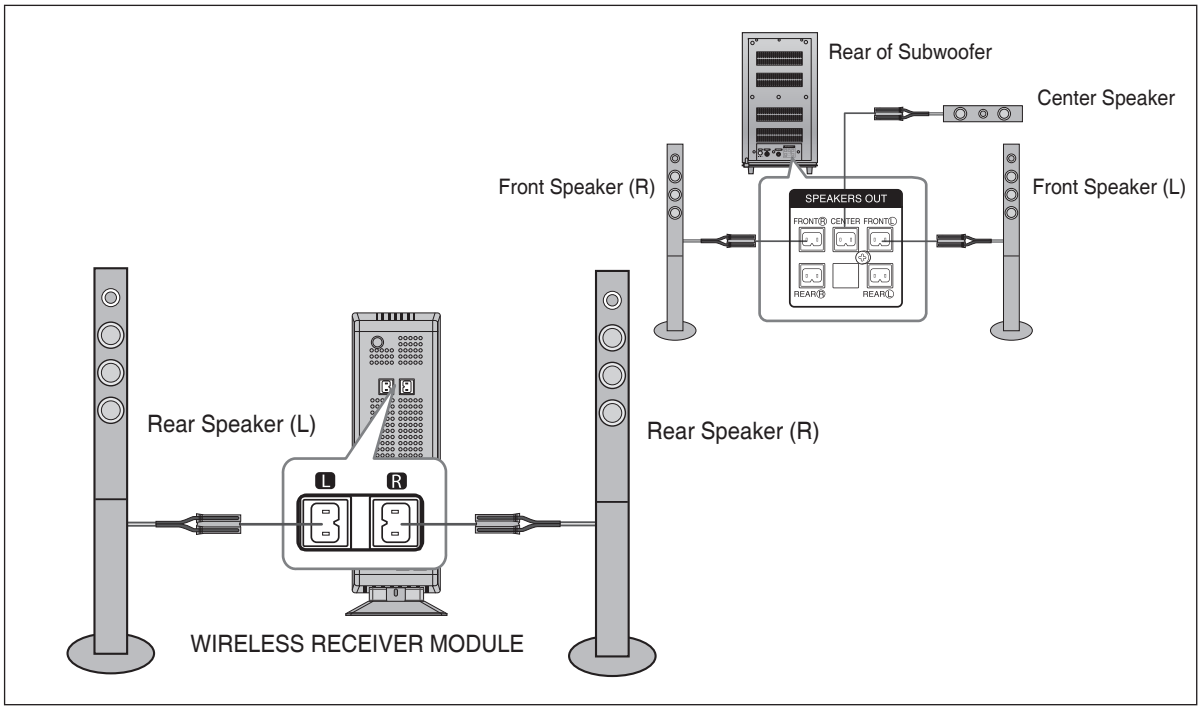
3 Crossover Controller

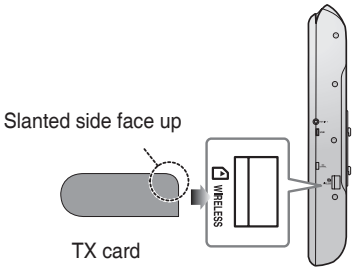
4 Speaker Output Terminals

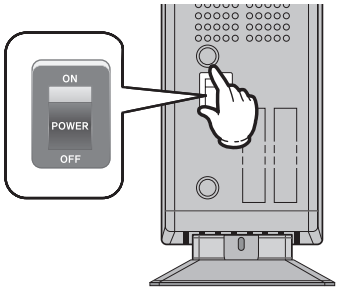
Connecting the Wireless Receiving Amplifier

To connect the rear speakers wirelessly, you have to purchase the wireless receiving module and TX card from your Samsung retailer.

When you have Purchased the Wireless Receiving Module (SWA-3000)







1 Connect the Front and Center speakers to the Subwoofer, refering to pages 16~18.

2 With the DVD Player turned off, insert the TX card into the TX Card Connection(WIRELESS) on the side of the main unit.

- Hold the TX card so that the slanted side faces upward and insert the card into the port.
- The TX card enables communication between the main unit and the wireless receiver.

3 Connect the left and right rear speakers to the wireless receiving module.

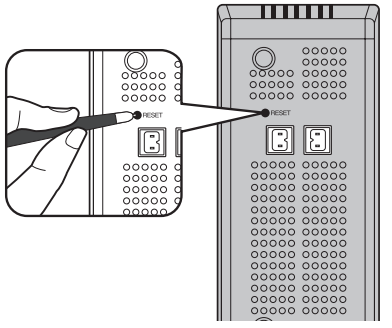
4 Plug the power cord of the wireless receiving module in the wall outlet and switch the power switch 'ON'.

- Do not insert a card other than the TX card dedicated for the product. The product might be damaged or the card may not be removed easily.
- Do not insert the TX card upside down or in the reverse direction.
- Insert the TX card when the DVD Player is turned off. Inserting the card when it is turned on may cause a problem.
- If the TX Card is inserted, sound is not output from the Rear Speaker connectors on the main unit.

Connecting the Wireless Receiving Amplifier (Con't)

Resetting the Wireless Receiving Module

Reset the system if a communication failure occurs, or if the Link indicator (blue LED) on the wireless receiver does not light up and the "REAR CHECK" message blinks on the main unit's display.
Reset the system while the main unit and the wireless receiver module (SWA-3000) are in Power Standby mode.



1 With the main unit turned off, press and hold the remote control's RESERVE button for 5 seconds.
- The STANDBY LED on the front panel of the wireless receiver module blinks.

2 With the wireless receiver module turned on, use a ball point pen or a toothpick to press the RESET button on the back of the unit.
- The STANDBY LED on the front panel of the wireless receiver module blinks 2 Times.

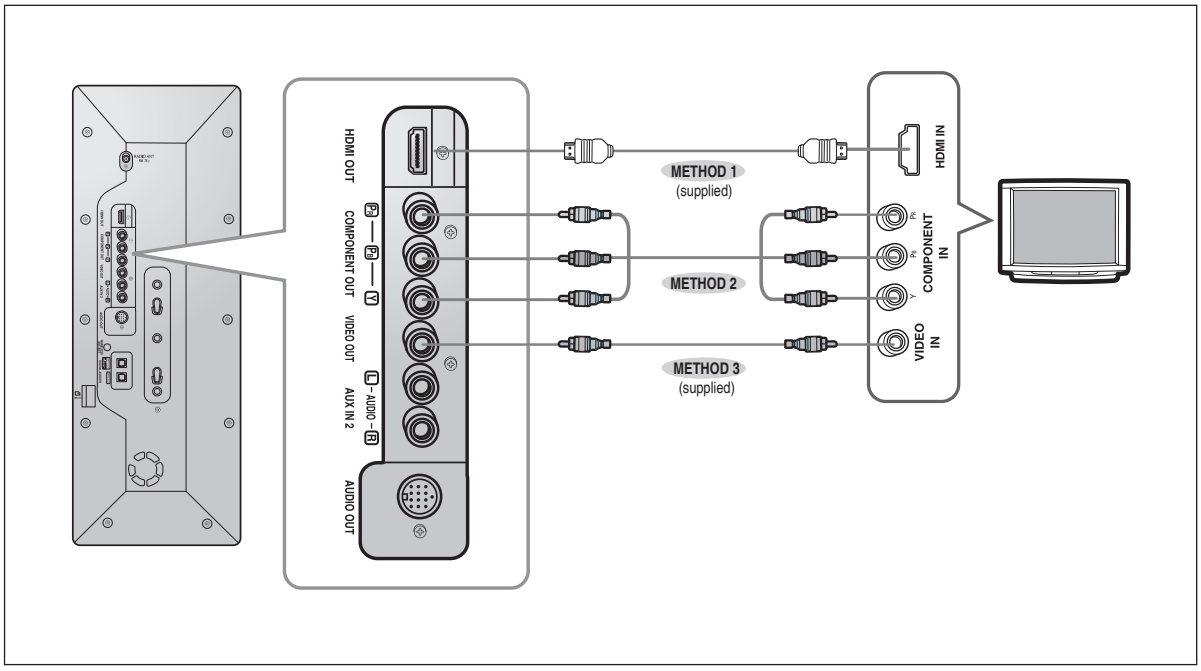
3 Press and hold the Power button on the home theater system for more than 1 second to turn it on.
- The LINK LED of the wireless receiver module is lit and the Reset is complete.
- If Power Standby mode continues, repeat Steps 1 to 3 above.

- When the wireless receiving module setting is complete, no audio signal is output from the Rear Speaker Output Connector on the back of the main unit.
- The wireless receiving antenna is built into the wireless receiver module. Keep the unit away from water and moisture.
- For optimal listening performance, make sure that the area around the wireless receiver module location is clear of any obstructions.
- **Sound will be heard from the wireless rear speakers in DVD 5.1-CH or Dolby Pro Logic II mode only.**
- In 2-CH mode, no sound will be heard from the wireless rear speakers.

- Place the wireless receiver module at the rear of the listening position. If the wireless receiver module is too close to the main unit, some sound interruption may be heard due to interference.
- If you use a device such as a microwave oven, wireless LAN Card, Bluetooth equipment, or any other device that uses the same frequency (2.4GHz) near the system, some sound interruption may be heard due to interference.
- The transmission distance of radio wave is about 10m, but may vary depending on your operating environment. If a steel-concrete wall or metallic wall is between the main unit and the wireless receiver module, the system may not operate at all, because the radio wave cannot penetrate metal.

Connecting the Video Out to your TV

Choose one of the three methods for connecting to a TV.



METHOD 1 : HDMI ..... (Best Quality)

Connect the HDMI cable from the HDMI OUT jack on the back of the main unit to the HDMI IN jack on your TV.

METHOD 2 : Component Video .... (Better Quality)

If your television is equipped with Component Video inputs, connect a component video cable (not supplied) from the Pr, Pb and Y jacks on the back panel of the main unit to the corresponding jacks on your television.

METHOD 3 : Composite Video ..... (Good Quality)

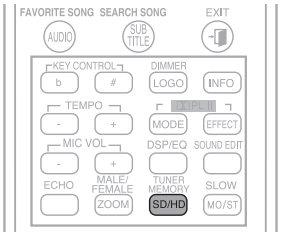
Connect the supplied video cable from the VIDEO OUT jack on the back of the main unit to the VIDEO IN jack on your TV.

- This product operates in Interlace scan mode (576i) for component output.
- After making the video connection, set the Video input source on your TV to match the corresponding Video output (HDMI, Component or Composite) on your Home theater.
  See your TV owner's manual for more information on how to select the TV's Video Input source.
- If you use an HDMI cable to connect a Samsung TV to the main unit, you can operate the Home Theater using the TV's remote control. This is only available with SAMSUNG TVs that support Anynet+(HDMI-CEC).
- Please check the Anynet+ logo. If your TV has an Anynet+ logo, then it supports Anynet+ function.

HDMI Function

Resolution Selection

This function allows the user to select the screen resolution for HDMI output.



In Stop mode, press and hold the **SD/HD** (Standard Definition/High Definition) button on the remote control.

- Resolutions available for the HDMI output are 576p, 720p, 1080i and 1080p.
- SD(Standard Definition) resolution is 576p(480p) and HD(High Definition) resolution is 720p/1080i/1080p.

What is HDMI (High Definition Multimedia Interface)?
This device transmits a DVD video signal digitally without the process of converting to analog. You will get sharper digital pictures when using an HDMI connection.

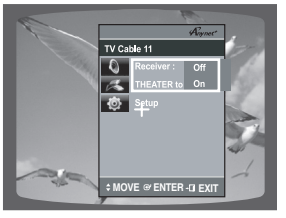
- If the TV does not support the configured resolution, you will not be able to see the picture properly.
- When a HDMI TV is connected, composite and component video signals are not output.
- See your TV owner's manual for more information on how to select the TV's Video Input source.
- The Home Theatre is designed for qualitative playback DVD discs recorded in PAL system. While useing NTSC discs in HD mode in some cases it's possible picture size distortion which is not a defect

Using Anynet+(HDMI-CEC)

Anynet+ is a function that enables you to control other Samsung Devices with your Samsung TV's remote control, Anynet + can be used by connecting this Home Theater to a SAMSUNG TV using an HDMI Cable. This is only available with SAMSUNG TVs that support Anynet+.

With Anynet+

You can operate this unit, power on your TV, or watch a movie by pressing the Play button on your Samsung TV's remote control.



1 Connect the main unit of the Home Theater to a Samsung TV with an HDMI cable. (See page 21)

2 Set the Anynet+ function on your TV.
(See the TV instruction manual for more information.)

- You can operate the Home Theater by using the TV remote control. (Available TV buttons : ◀◀, ■, ▶II, ▶▶, ▲, ▼ and ▶,◀ buttons, 0 ~ 9 button)

If you select the TV

Set the Anynet+(HDMI-CEC) to <On> on your TV.

- **<Receiver : On>** : You can listen to audio through the Home Theater.
- **<Receiver : Off>** : You can listen to audio through the TV.

If you select the THEATER

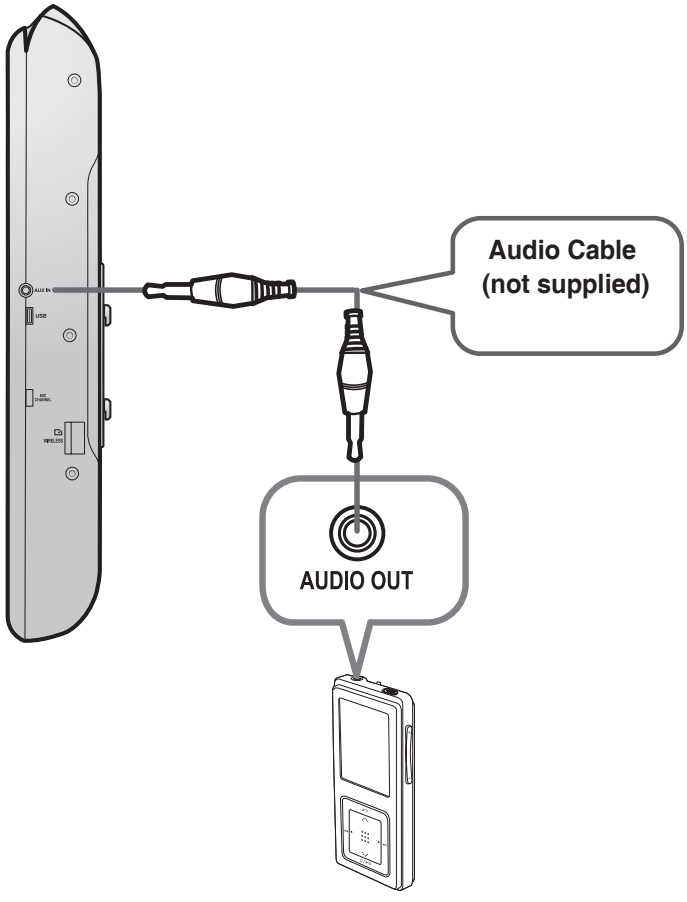
Select **<THEATER to connector>** and set the option of each items below.

- **<View TV> :** If Anynet+(HDMI-CEC) set to on and you select View TV, the Home Theater will automatically switched to DIGITAL IN.
- **<THEATER Menu>** : You can access the Home Theater menu.
- **<THEATER Operation>** : The Home Theater disc playback information will be displayed.
- **<Receiver : On>** : You can listen to audio through the Home Theater.
- **<Receiver : Off>** : You can listen to audio through the TV.

- If you want to listen to TV sound through the home theater system, connect the optical cable to the OPTICAL 1 port of the system.
- If Anynet+ (HDMI-CEC) is on and you turn off the main unit, your TV will also turn off.
- Anynet+ (HDMI-CEC) will only work while in the DVD mode.

Connecting Audio from External Components

AUX1 : Side Panel



AUX1 : Connecting an External Component/MP3 player

Components such as an MP3 Player

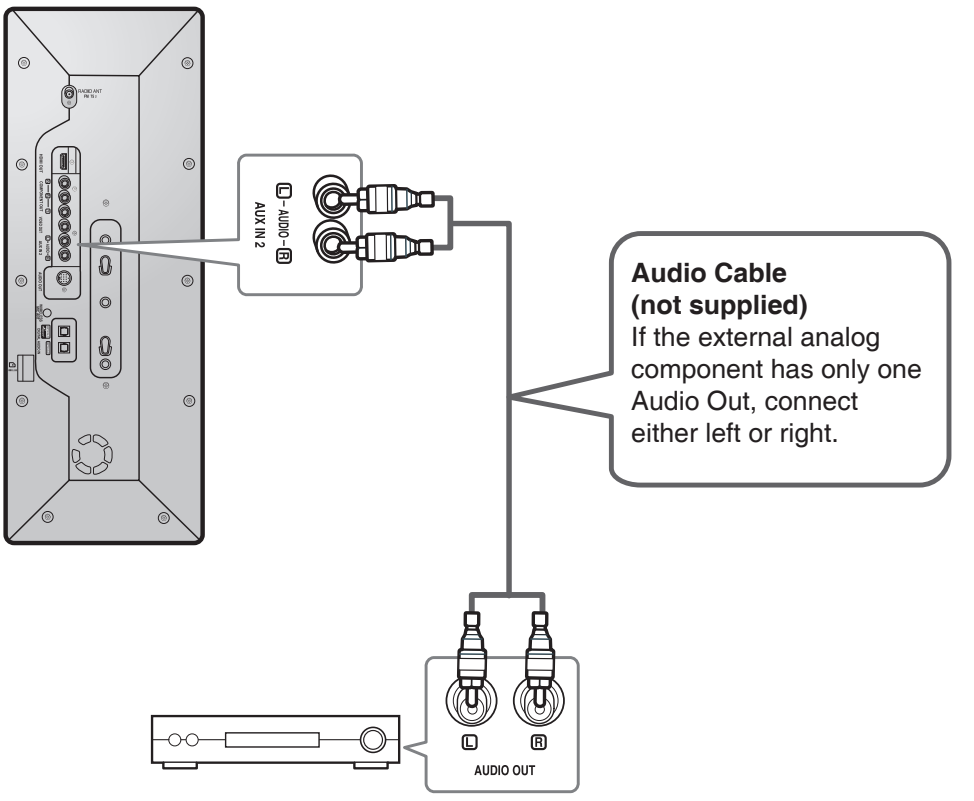
1 Connect AUX IN 1 (Audio) on the Home Theater to the Audio Out of the external component/MP3 player.

2 Press the **AUX** button on the remote control to select <AUX1> input.

- You can also use the **FUNCTION** button on the main unit.
  The mode switches as follows : **DVD → D.IN 1 → D.IN 2 → AUX1 → AUX2 → USB → FM**

Connecting Audio from External Components (Con't)

AUX2 : Rear Panel



AUX2 : Connecting an External Analog Component

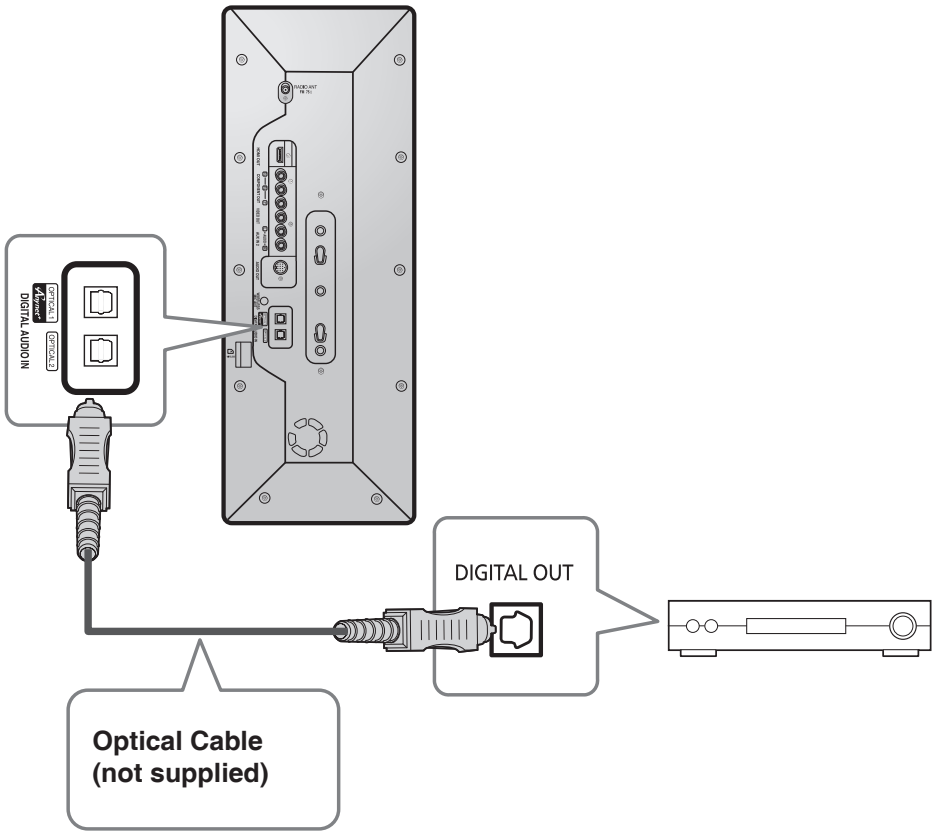
Analog signal components such as a VCR.

1 Connect AUX IN 2 (Audio) on the Home Theater to Audio Out on the external analog component.
- Be sure to match connector colors.

2 Press the **AUX** button on the remote control to select <AUX2> input.
- You can also use the **FUNCTION** button on the main unit.
  The mode switches as follows : **DVD → D.IN 1 → D.IN 2 → AUX1 → AUX2 → USB → FM**

- You can connect the Video Output jack on your VCR to the TV, and connect the Audio Output jacks on the VCR to this product.

OPTICAL : Rear Panel



OPTICAL : Connecting an External Digital Component

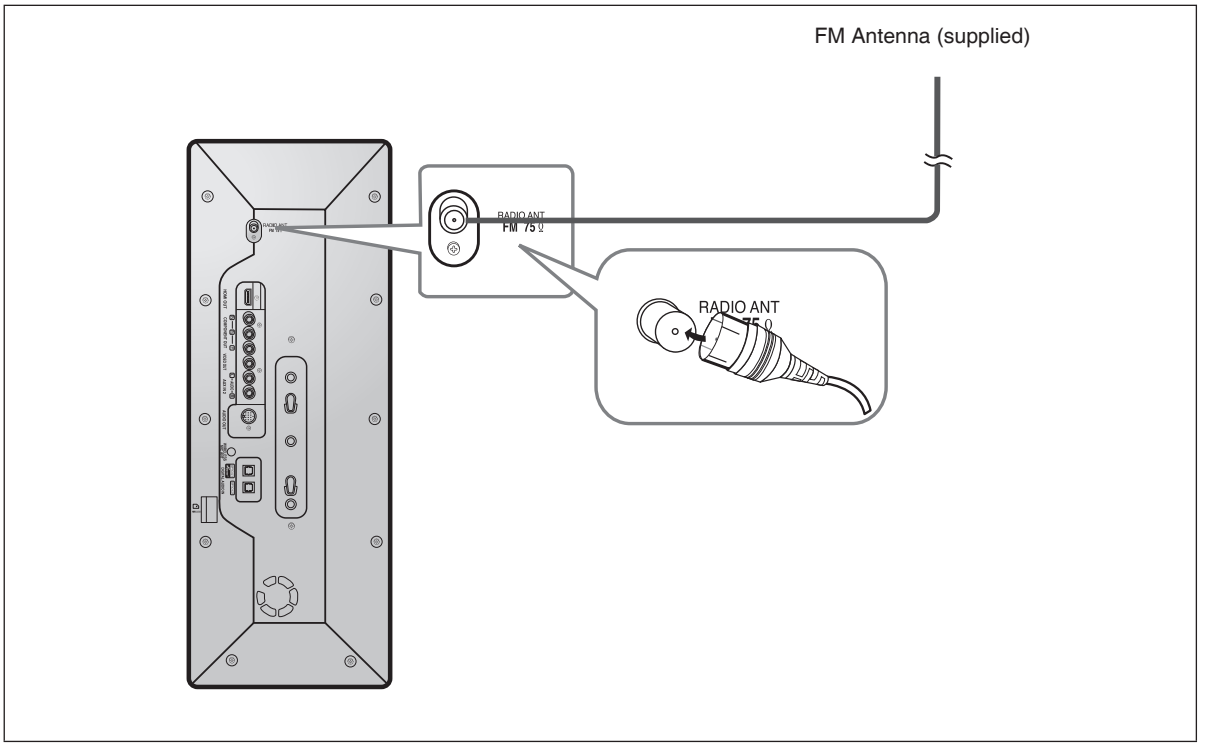
Digital signal components such as a Set-Top Box.

1 Connect the Digital Input (OPTICAL 1 or 2) on the Home Theater to the Digital Output of the external digital component.

2 Press the **AUX** button on the remote control to select <D.IN 1>, <D.IN 2>

- You can also use the **FUNCTION** button on the main unit.
  The mode switches as follows : **DVD → D.IN 1 → D.IN 2 →AUX 1 → AUX 2 → USB → FM**

Connecting the FM Antenna



1 Connect the FM antenna supplied to the FM 75Ω COAXIAL Jack.

2 Slowly move the antenna wire around until you find a location where reception is good, then fasten it to a wall or other rigid surface.

- This unit does not receive AM broadcasts.

Cooling Fan

The cooling fan supplies cool air to the unit to prevent overheating.

Please observe the following cautions for your safety.

- Make sure the unit is well-ventilated. If the unit has poor ventilation, the temperature inside the unit may rise and may damage it.
- Do not obstruct the cooling fan or ventilation holes. (If the cooling fan or ventilation holes are covered with a newspaper or cloth, heat may build up inside the unit and fire may result.)

Before Reading the User's Manual

Make sure to check the following terms before reading the user manual.

Icons that will be used in manual

Icon	Term	Definition
DVD	DVD	This involves a function available on DVD or DVD-R/DVD-RW discs that have been recorded and finslized in Video Mode.
CD	CD	This involves a function available on a data CD (CD-R or CD-RW).
MP3	MP3	This involves a function available on CD-R/-RW discs.
JPEG	JPEG	This involves a function available on CD-R/-RW discs.
DivX	DivX	This involves a function available on MPEG4 discs. (DVD±R/RW, CD-R or CD-RW)
!	Caution	This involves a case where a function does not operate or settings may be cancelled.
✎	Note	This involves tips or instructions on the page that help each function operate.

✎

- **In this manual, the instructions marked with <DVD (DVD)> are applicable to DVD-VIDEO, and DVD-R/-RW discs that have been recorded in Video Mode and then finalized. Where a particular DVD type is mentioned, it is indicated separately.**
- If a DVD-R/-RW discs has not been recorded properly in DVD Video format, it will not be playable.

Before Using Your Home Theater

To Operate your Samsung TV and the Home Theater with the HT-TKX500 Remote Control

The DVD Home Theater's remote can be used to control Samsung TVs.

1 Plug the main unit's power cord into the AC power supply.

- Before plugging your system into a main socket, you must checkthe voltage setting (OPTIONAL). If the voltage of the socket doesnot correspond to the setting on the rear of the unit, you mayseriously damage your system.

2 Press the **TV** button to set the remote to TV mode.

3 Press the **POWER** button to turn on your Samsung TV with this remote.

4 Press the **TV/VIDEO** button to select VIDEO mode on your TV.

5 Press the **DVD RECEIVER** button to switch to DVD RECEIVER mode to operate the DVD Home Theater

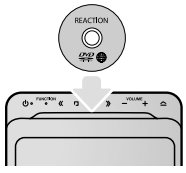
6 Press the **FUNCTION** button on the main unit or DVD button on the remote to enable DVD/CD playback.

- If you want to turn on or off the main unit, press and hold the Power button on the remote control or on the main unit for more than 1 second.

Disc Playback

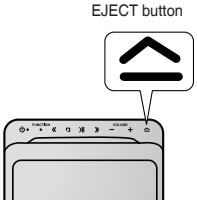
1 Load a disc vertically into the Disc Insert Hole.

- Insert a disc so that the label side faces forward.
- Playback starts automatically.



2 Press the EJECT button on the remote control or press and hold the EJECT button for more than 1 second on the main unit.

- The disc will be ejected from the disc tray of the main unit.



➢ To stop playback, press the **STOP** button during playback.

- If pressed once, <PRESS PLAY> is displayed and the stop position will be stored in memory. If the **PLAY/PAUSE** (►II) button or **ENTER** button is pressed, playback resumes from the stop position. (This function works only with DVDs.)
- If pressed twice, <STOP> is displayed, and if the **PLAY/PAUSE** (►II) button is pressed, playback starts from the beginning.

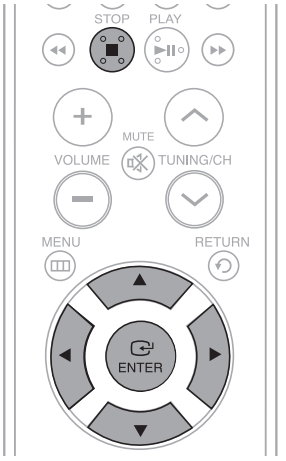
➢ To temporarily pause playback, press the **PLAY/PAUSE** (►II) button during playback.

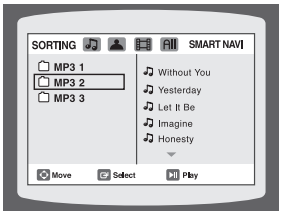
- To resume playback, press the **PLAY/PAUSE** (►II) button again.

- Depending on the content of the disc, the initial screen may appear different.
- Pirated discs will not run in this player because it violates the CSS (Content Scrambling System : a copy protection system) recommendations.

MP3/WMA-CD Playback

Data CDs (CD-R, CD-RW) encoded in MP3/WMA format can be played.





1 Load the MP3 disc.
- The MP3/WMA menu screen will appear and playback will start.
- The appearance of the menu depends on the MP3/WMA disc.
- WMA-DRM files cannot be played.

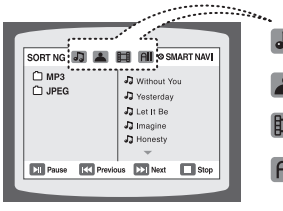
2 In Stop mode, use the Cursor ▲,▼,◄,► button to select the album, and then press the **ENTER** button.
- Use ▲,▼ to select the track.

3 To change the album, use the Cursor ▲,▼,◄,► button to select another album in Stop mode, and then press the **ENTER** button.
- To select another album and track, repeat Steps 2 and 3 above.

4 Press the **STOP(■)** button to stop playback.

- Depending on the recording mode, some MP3/WMA-CDs may not play.
- Table of contents of a MP3/WMA-CD varies depending on the MP3/WMA track format recorded on the disc.
- Russian filenames are not supported.

➢ To play a file icon in the screen,
- Press the Cursor ▲,▼,◄,► button when it is in Stop mode and select a desired icon from the top part of the menu.



Music File Icon : To play music files only, select the Icon.

Image File Icon : To view image files only, select the Icon.

Movie File Icon : To view movie files only, select the Icon.

All File Icon : To select all files select the Icon.

JPEG File Playback

Images captured with a digital camera or camcorder, or JPEG files on a PC can be stored on a CD and then played back with this Home Theater.

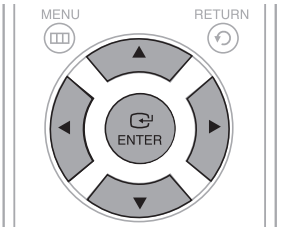
Load the JPEG disc.

- Playback starts automatically. Each image is displayed for 5 seconds and then the next image is displayed.

➢ Press the I◀◀,▶▶I button to skip to the next slide.

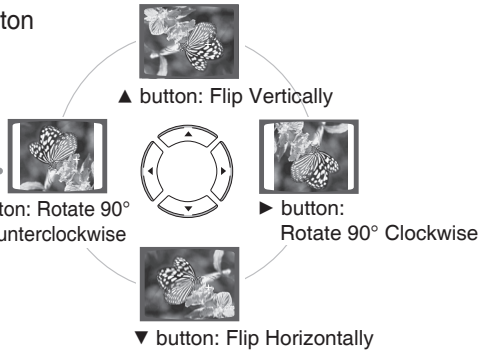
- Each time the button is pressed, the slide moves backward or forward.

Rotate/Flip Function



Press the Cursor ▲,▼,◀,► button during playback.

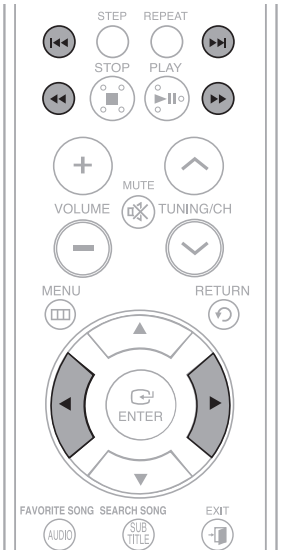
Original Image



- The maximum resolutions supported by this product are 5120 x 3480 (or 19.0 MPixel) for standard JPEG files and 2048 x 1536 (or 3.0 MPixel) for progressive image files.
- Russian filenames are not supported.
- In some cases, depending on JPEG files record conditions, those files may be displayed not the full screen size or low quality.

DivX Playback

The functions on this page apply to DivX disc playback.



Skip Forward/Back

During playback, press the ⏮,⏭ button.

- Goes to the next file whenever you press the ⏭ button, if there are over 2 files in the disk.
- Goes to the previous file whenever you press the ⏮ button, if there are over 2 files in the disk.

Fast Playback

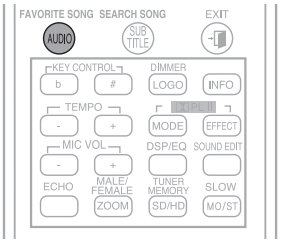
To play back the disc at a faster speed, press the ◀◀ or ▶▶ button during playback.

- Each time you press the either button, the playback speed will change as follows: 2x → 4x → 8x → 32x → Normal.

5 Minute Skip function

During playback, press the Cursor ◄,► button.

- Playback skips 5 minutes forward whenever you press the Cursor ► button.
- Playback skips 5 minutes back whenever you press the Cursor ◄ button.

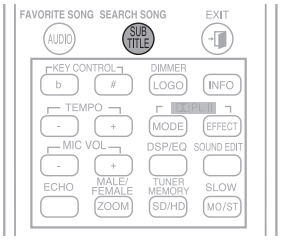


Audio Display

Press the **AUDIO** button.

- If there are multiple audio tracks on a disc, you can toggle between them.
- Each time you press the button, your selection will toggle between <AUDIO (1/N, 2/N ...)> and ✋.

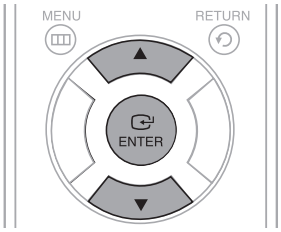
- ✋ is displayed when there is one supported language in the disc.



Subtitle Display

Press the **SUBTITLE** button.

- Each time you press the button, your selection will toggle between <SUBTITLE (1/N, 2/N ...)> and <SUBTITLE OFF>.
- If the disc has only one subtitle file, it will be played automatically.
- See number 2 (Caption Function) below for more details concerning Subtitle usage with DivX discs.



If the disc has more than one subtitle file

If the disc has more than one subtitle file, the default subtitle may not match the movie and you will have to select your subtitle language as follows:

1. In Stop mode, press the Cursor ▲,▼ button, select the desired subtitle ( ) from the TV screen, and then press the **ENTER** button.
2. When you select the desired DivX file from the TV screen, the movie will be played normally.

DivX(Digital internet video eXpress)

DivX is a video file format developed by Microsoft and is based on MPEG4 compression technology to provide audio and video data over the Internet in real-time.

MPEG4 is used for video encoding and MP3 for audio encoding so that the users can watch a movie at near DVD-quality video and audio.

1. Supported Formats

This product only supports the following media formats. If both video and audio formats are not supported, the user may experience problems such as broken images or no sound.

Supported Video Formats

Format	AVI	WMV
Supported Versions	DivX3.11~DivX5.1, XviD	V1/V2/V3/V7

Supported Audio Formats

Format	MP3	WMA	AC3	DTS
Bit Rate	80~384kbps	56~128kbps	128~384kbps	1.5Mbps
Sampling Frequency	44.1khz		44.1/48khz	44.1khz

- DivX files, including audio and video files, created in the DTS format can only support up to 6Mbps.
- Aspect Ratio: Although default DivX resolution is 640x480 pixels (4:3), this product supports up to 800x600 pixels (16:9). TV screen resolutions higher than 800 will not be supported.
- When you play a disc whose sampling frequency is higher than 48khz or 320kbps, you may experience shaking on the screen during playback.

2. Caption Function

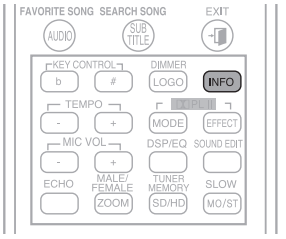
- You must have some experience with video extraction and editing in order to use this feature properly.
- To use the caption function, save the caption file (*.smi) in the same file name as that of the DivX media file (*.avi) within the same folder.
  Example. Root Samsung_007CD1.avi
  Samsung_007CD1.smi
- Up to 60 alphanumeric characters or 30 East Asian characters (2 byte characters such as Korean and Chinese) for the file name.
- Russian/Ukrainian characters of File's name are not supported.

Using the Playback Function

Displaying Disc Information

DVD CD MP3 JPEG DivX

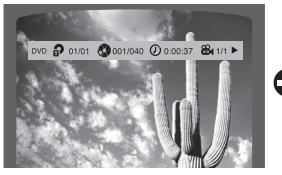
You can view disc playback information on the TV screen.

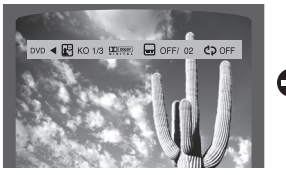


Press the **INFO** button.

- Each time the button is pressed, the display changes as follows:

DVD





The information Display disappears from the screen

CD

The information Display disappears from the screen

MP3 JPEG DivX

The information Display disappears from the screen

- Depending on the disc, the disc information display may appear different.
- Depending on the disc, you can also select DTS, DOLBY DIGITAL, or PRO LOGIC.

appears on the TV screen!

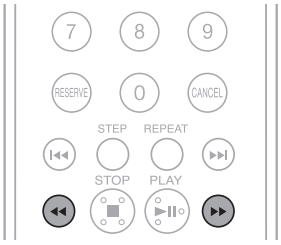
If this symbol appears on the TV screen when pressing a button, that operation is not possible with the disc currently being played.

Screen Display

TITLE display	ELAPSED TIME display	LR STEREO (L/R) display
CHAPTER display	REPEAT PLAYBACK display	DOLBY DIGITAL display
TRACK (FILE) display	AUDIO LANGUAGE display	ANGLE display
SUBTITLE display	DVD DVD Display	CD CD Display

Fast Playback

DVD CD MP3 DivX



Press the ◀◀,▶▶ button.

- Each time the button is pressed during playback, the playback speed changes as follows:

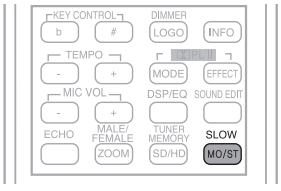
◀◀ 2X → ◀◀ 4X → ◀◀ 8X → ◀◀ 32X → ▶ PLAY

▶▶ 2X → ▶▶ 4X → ▶▶ 8X → ▶▶ 32X → ▶ PLAY

- During fast playback of a CD or MP3-CD, sound is heard only at 2x speed, and not at 4x, 8x, and 32x speeds.

Slow Playback

DVD DivX



Press the **SLOW** button.

- Each time the button is pressed during playback, the playback speed changes as follows:

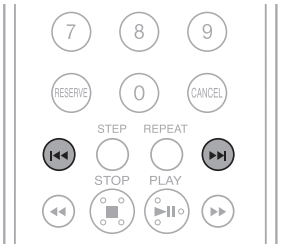
DVD ▮▶1/2 → ▮▶1/4 → ▮▶1/8 → ◀▮1/2 → ◀▮1/4 → ◀▮1/8 → ▶ PLAY

DivX ▮▶1/2 → ▮▶1/4 → ▮▶1/8 → ▶ PLAY

- No sound is heard during slow playback.
- Reverse slow playback does not work with DivX.

Using the Playback Function (Con't)

Skipping Scenes/Songs

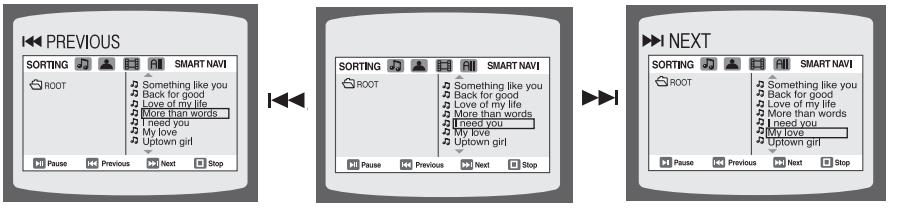


Press the I◀◀,▶▶I button.

- Each time the button is pressed during playback, the previous or next chapter, track or directory (file) will be played.
- You cannot skip chapters consecutively.

DVD

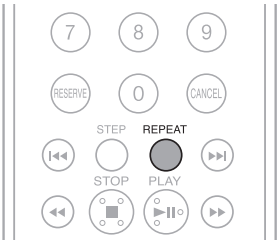
MP3



Repeat Playback

DVD CD MP3 JPEG DivX

Repeat playback allows you to repeatedly play a chapter, title, track (song), or directory (MP3 file).



Press the **REPEAT** button.

- Each time the button is pressed during playback, the repeat playback mode changes as follows:

DVD: REPEAT : CHAPTER → REPEAT : TLTLE → REPEAT : OFF

CD: REPEAT : TRACK → REPEAT : DISC → REPEAT : OFF

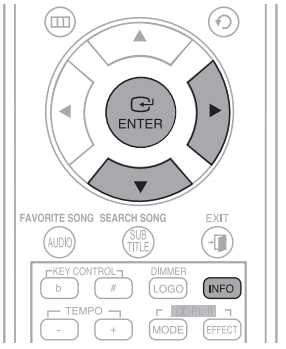
MP3 JPEG DivX: REPEAT:RANDOM → REPEAT:TRACK → REPEAT:DIR → REPEAT:DISC → REPEAT:OFF

Repeat Playback Options

CHAPTER : Repeatedly plays the selected chapter.
TITLE : Repeatedly plays the selected title.
RANDOM : Plays tracks in random order.
(A track that has already been played may be played again.)
TRACK : Repeatedly plays the selected track.
DIR : Repeatedly plays all tracks in the selected folder.
DISC : Repeatedly plays the entire disc.
OFF : Cancels Repeat Playback.

Using the Playback Function (Con't)

To Select a Repeat Playback Mode in the Disc Information Screen



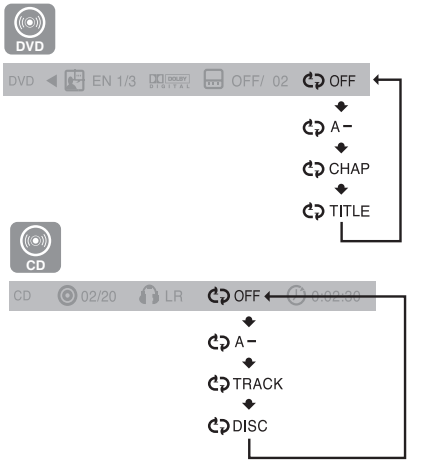
1 Press the **INFO** button twice.

2 Press the Cursor ► button to move to **REPEAT PLAYBACK** (↻) display.

3 Press the Cursor ▼ button to select the desired Repeat Playback mode.

- To select another album and track, repeat Steps 2 and 3 above.

4 Press the **ENTER** button.

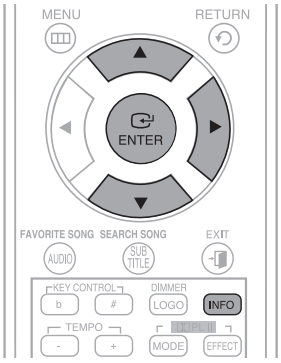


- For DivX, MP3 and JPEG discs, you cannot select Repeat Play from the information display screen.
- Point B cannot be set until 5 seconds of playback has elapsed from point A.

A-B Repeat Playback

DVD

You can repeatedly play back a designated section of a DVD.



1 Press the **INFO** button twice.

2 Press the Cursor ► button to move to **REPEAT PLAYBACK** (↻) display.

3 Press the Cursor ▲,▼ button to select <A-> and then press **ENTER** button at the beginning of the desired segment.

- When the **ENTER** button is pressed, the selected position will be stored in memory.

4 Press the **ENTER** button at the end of the desired segment.

- The specified segment will be played repeatedly.

REPEAT : A-B

➢ To return to normal playback, press the Cursor ▲,▼ button to select ↻ OFF.

- The A-B Repeat function does not operate with DivX, MP3 or JPEG discs.
- Point B cannot be set until 5 seconds of playback has elapsed from point A.

Step Function

DVD DivX

Press the **STEP** button.

- The picture moves forward one frame each time the button is pressed during playback.

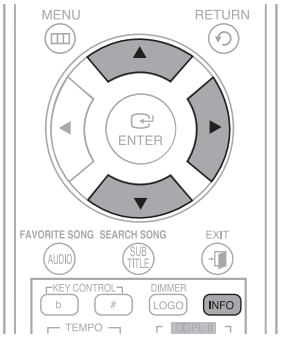
- No sound is heard during step motion playback.

Using the Playback Function (Con't)

Angle Function

DVD

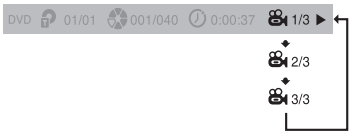
This function allows you to view the same scene in different angles.



1 Press the **INFO** button.

2 Press the Cursor ► button to move to **ANGLE** ( ) display.

3 Press the Cursor ▲,▼ button or numeric buttons to select the desired angle.
- Each time the button is pressed, the angle changes as follows:

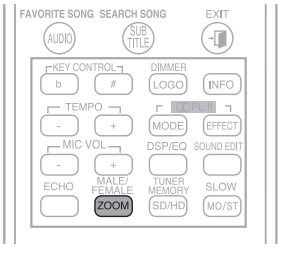


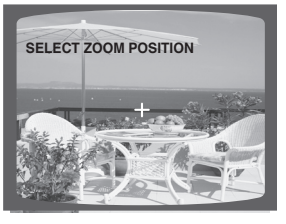
- The Angle function works only with discs on which multiple angles have been recorded.

Zoom (Screen Enlarge) Function

DVD

This function allows you to enlarge a particular area of the displayed image.





1 Press the **ZOOM** button.

2 Press the Cursor ▲,▼,◄,► button to move to the area you want to enlarge.

3 Press the **ENTER** button.
- Each time the button is pressed, the zoom level changes as follows:

ZOOM X 1.5 → ZOOM X 2 → ZOOM X 3 → ZOOM OFF

- This feature is not supported for DivX discs.

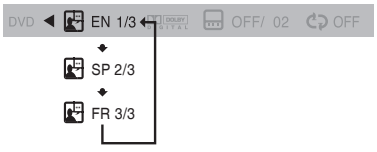
Audio Language Selection Function

DVD

1 Press the **INFO** button twice.

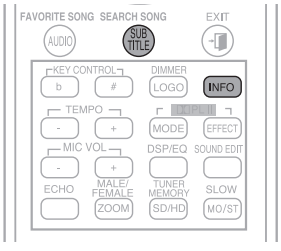
2 Press the Cursor ▲,▼ button or numeric buttons to select the desired audio language.

- Depending on the number of languages on a DVD disc, a different audio language (ENGLISH, SPANISH, FRENCH, etc.) is selected each time the button is pressed.



Subtitle Language Selection Function

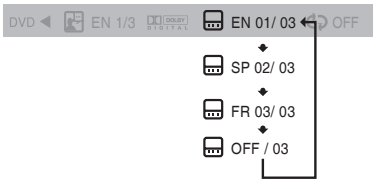
DVD



1 Press the **INFO** button twice.

2 Press the Cursor ► button to move to **SUBTITLE** (▭) display.

3 Press the Cursor ◄ button or numeric buttons to select the desired subtitle.

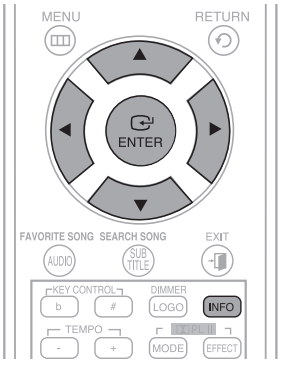


- To operate this function, you can also press the AUDIO or SUBTITLE buttons on the remote control.
- Depending on the disc, the Subtitle and Audio Language functions may not be available.

Using the Playback Function (Con't)

Moving Directly to a Scene/Song

DVD CD MP3 JPEG



DVD CD

1 Press the **INFO** button.

2 Press the Cursor ▲,▼ button or numeric buttons to select the desired title/track ( ) and then press the **ENTER** button.

3 Press the Cursor ◄,► button to move to Chapter ( ) display.

4 Press the Cursor ▲,▼ button or numeric buttons to select the desired chapter and then press the **ENTER** button.

5 Press the Cursor ◄,► button to move to time ( ) display.

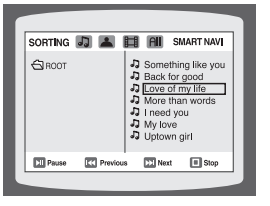
6 Press the numeric buttons to select the desired time and then press the **ENTER** button.

DVD 01/05 001/040 0:00:37 1/1 ►

MP3 JPEG

Press the **numeric** button.

- The selected file will be played.
- When playing an MP3 or JPEG disc, you cannot use the Cursor ▲,▼ button to move to a folder.
  To move a folder, press the STOP (■) button and then press the Cursor ▲,▼ button.

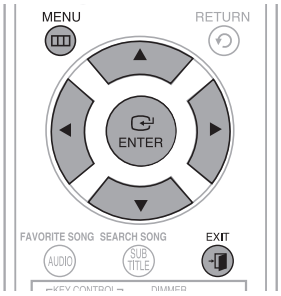


- You can press the I◄◄,►►I button on the remote control to move directly to the desired title, chapter, or track.
- Depending on the disc, you may not be able to move to the selected title or time.

Using the Disc Menu

DVD

You can use the menus for the audio language, subtitle language, profile, etc.
DVD menu contents differ from disc to disc.



1 In Stop mode, press the **MENU** button.

2 Press the Cursor ▲,▼ button to move to **<Disc Menu>** and then press the **ENTER** button.

- When you select Disc Menu and it is not supported by the disc, the <This menu is not supported> message appears on the screen.

3 Press the Cursor ▲,▼,◄,► button to select the desired item.

4 Press the **ENTER** button.

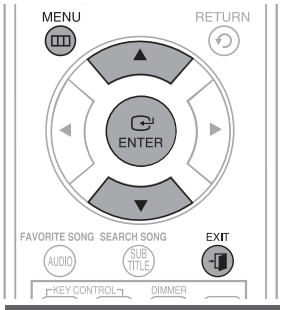
➢ Press the **EXIT** button to exit the setup screen.

- The Disc menu display may be different depending on the disc.

Using the Title Menu

DVD

For DVDs containing multiple titles, you can view the title of each movie. Depending on the disc, the availability of this feature may vary.



1 In Stop mode, press the **MENU** button.

2 Press the Cursor ▲,▼ button to move to **<Title Menu>**.

3 Press the **ENTER** button.

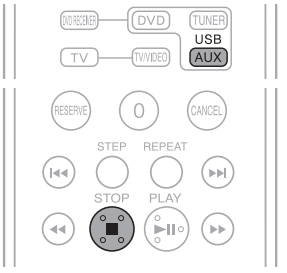
- The title menu appears.

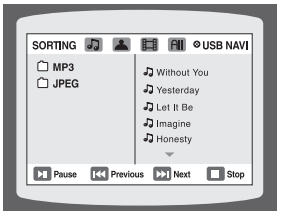
➢ Press the **EXIT** button to exit the setup screen.

- The Title menu display may be different depending on the disc.

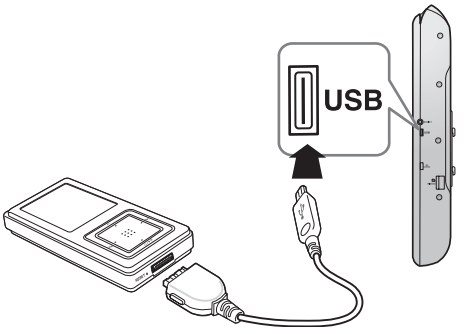
Playing Media Files using the USB Host Feature

You can enjoy media files such as pictures, movies and music saved in an MP3 player, USB memory or digital camera in high quality video with 5.1 channel home theater sound by connecting the storage device to the USB port of the home theater.





1 Connect the USB device to the USB port on the side of the unit.



2 Press the **FUNCTION** button on the main unit or the **USB** button on the remote control to select the USB mode.

- The <USB> appears on the display screen and then disappears.
- USB MENU screen appears on the TV screen and the saved file is played.

3 To stop playback, press the **STOP** (■) button.

➢ Safe **USB** Removal
To prevent damage to the memory stored in the USB device, perform safe removal before disconnecting the USB cable.

1) Press the **STOP (■)** button twice in a row.
The display will show **REMOVE USB**.
2) Remove the USB cable.

- To listen to your music files with 5.1 channel home theater sound, you must set the Dolby Pro Logic II mode to Matrix. (See page 57)

Skip Forward/Back

During playback, press the ⏮ ⏭ button.

- When there is more than one file and you press the ⏭ button, the next file is selected.
- When there is more than one file and you press the ⏮ button, the previous file is selected.

Fast Playback

To play back the disc at a faster speed, press the ◀◀ ▶▶ button during playback.

- Each time you press either button, the playback speed will change as follows:
  2x → 4x → 8x → 32x → Normal.

Compatible Devices

1. USB devices that support USB Mass Storage v1.0. (USB devices that operate as a removable disc in Windows (2000 or later) without additional driver installation.)
2. MP3 Player : HDD and flash type MP3 players.
3. Digital camera : Cameras that support USB Mass Storage v1.0.
   - Cameras that operate as a removable disc in Windows (2000 or later) without additional driver installation.
4. USB HDD and USB Flash Drive: Device that support USB1.1.
   - When USB 2.0 is inserted, the device plays at USB 1.1 speed.
   - You may experience a difference in playback quality when you connect a USB1.1 device.
   - For a USB HDD, make sure to connect an auxiliary power cord to the USB HDD for proper operation.
5. USB card Reader : One slot USB card reader and Multi slot USB card reader.
   - Depending on the manufacturer. the USB card reader may not be supported.
   - If you install multiple memory devices into a multi card reader, you may experience problems.
6. If you use a USB extension cable, the USB device might not be recognized.

Supported Formats

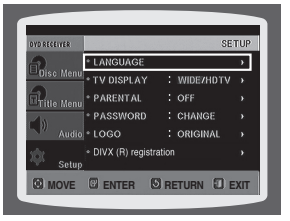
	File name	File extension	Bit rate	Version	Pixel	Sampling Frequency
Still Picture	JPG	JPG .JPEG	–	–	640X480	–
Music	MP3	.MP3	80~384kbps	–	–	44.1kHz
	WMA	.WMA	56~128kbps	V8	–	44.1kHz
Movie	WMV	.WMV	4Mbps	V1,V2,V3,V7	720X480	44.1KHz~48KHz
	DivX	.AVI,.ASF	4Mbps	DivX3.11~DivX5.1,XviD	800X600	44.1KHz~48KHz

- CBI (Control/Bulk/Interrupt) is not supported.
- Digital Cameras that use PTP protocol or require additional program installation when connected to a PC are not supported.
- A device using NTFS file system is not supported.
  (Only FAT 16/32 (File Allocation Table 16/32) file system is supported.)
- Some MP3 players, when connected to this product,may not operate depending on the sector size of their file system.
- The USB HOST function is not supported if a product that transfers media files by its manufacturer-specific program is connected.
- Does not operate with Janus enabled MTP (Media Transfer Protocol) devices.
- **The USB host function of this product does not support all USB devices. For information on the supported devices, see page 79.**
- Russian/Ukrainian characters of File's name are not supported.

Settings

Setting the Language

OSD(On-Screen Display) language is set to English by default.



1 In Stop mode, press the **MENU** button.

2 Press the Cursor ▼ button to move to **<Setup>** and then press the **ENTER** button.

3 Select **<LANGUAGE>** and then press the **ENTER** button.

4 Press the Cursor ▲,▼ button to select **<OSD LANGUAGE>** and then press the **ENTER** button.

5 Press the Cursor ▲,▼ button to select the desired language and then press the **ENTER** button.

- Once the setup is complete, the OSD will be English if English has been selected as language.

➢ Press the **RETURN** button to return to the previous level.
➢ Press the **EXIT** button to exit the setup screen.

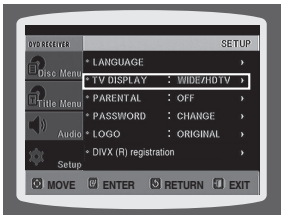
- **OSD LANGUAGE** : Selecting the OSD Language
- **AUDIO** : Selecting the Subtitle Language (recorded on the disc)
- **SUBTITLE** : Selecting the Audio Language (recorded on the disc)
- **DISC MENU** : Selecting the Disc Menu Language (recorded on the disc)

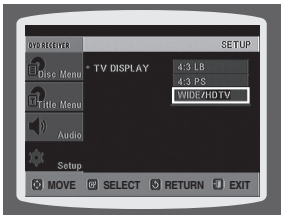
※ If the language you selected is not recorded on the disc, menu language will not change even if you set it to your desired language.

- **OTHERS** : To select another language, select OTHERS and enter the language code of your country. (See page 78 for language codes) AUDIO, SUBTITLE and DISC MENU language can be selected.

Setting TV Screen type

Depending on your TV type (Wide Screen or conventional 4:3), you can select the TV's aspect ratio.





1 In Stop mode, press the **MENU** button.

2 Press the Cursor ▼ button to move to **<Setup>** and then press the **ENTER** button.

3 Press the Cursor ▼ button to move to **<TV DISPLAY>** and then press the **ENTER** button.

4 Press the Cursor ▲,▼ button to select the desired item and then press the **ENTER** button.

- Once the setup is complete, you will be taken to the previous screen.

➢ Press the **RETURN** button to return to the previous level.
➢ Press the **EXIT** button to exit the setup screen.

Adjusting the TV Aspect Ratio (Screen Size)

The horizontal to vertical screen size ratio of conventional TVs is 4:3, while that of widescreen and high definition TVs is 16:9. This ratio is called the aspect ratio. When playing DVDs recorded in different screen sizes, you should adjust the aspect ratio to fit your TV or monitor.

For a standard TV, select either <4:3PS> or <4:3LB> option according to personal preference.
Select <WIDE/HDTV> if you have a widescreen TV.

4:3PS (4:3 Pan&Scan)

Select this to play a 16:9 picture in the pan & scan mode on a conventional TV.

- You can see the central portion of the screen only (with the sides of the 16:9 picture cut off).

4:3LB (4:3 Letterbox)

Select this to play a 16:9 picture in the letter box mode on a conventional TV.

- Black bars will appear at the top and bottom of the screen.

WIDE/HDTV

Select this to view a 16:9 picture in the full-screen mode on your widescreen TV.

- You can enjoy the widescreen aspect.

- If a DVD is in the 4:3 ratio, you cannot view it in widescreen.
- Since DVD discs are recorded in various image formats, they will look different depending on the software, the type of TV, and the TV aspect ratio setting.
- In HDMI operation, the screen is automatically converted to Wide mode.

Settings (Con't)

Setting Parental Controls (Rating Level)

Use this to restrict playback of adult or violent DVDs you do not want children to view.

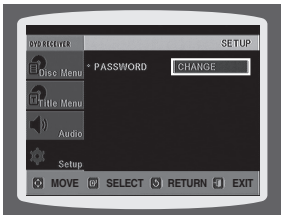
1. In Stop mode, press button **MENU** button.
2. Press button Cursor ▼ button to move to **<Setup>** and then press button **ENTER** button.
3. Press the Cursor ▼ button to move to **<PARENTAL>** and then press the **ENTER** button.
4. Press the Cursor ▲,▼ button to select the desired rating level and then press the **ENTER** button.
   - If you have selected Level 6, you cannot view DVDs with Level 7 or higher.
   - The higher the level, the closer the content is to violent or adult material.
5. Enter the password and then press the **ENTER** button.
   - The password is set to <7890> by default.
   - Once the setup is complete, you will be taken to the previous screen.

➢ Press the **RETURN** button to return to the previous level.
➢ Press the **EXIT** button to exit the setup screen.

- This function works only if a DVD disc contains the rating level information.

Setting the Password

You can set the password for the Parental (rating level) setting.



1. In Stop mode, press the **MENU** button.
2. Press the Cursor ▼ button to move to **<Setup>** and then press the **ENTER** button.
3. Press the Cursor ▼ button to move to **<PASSWORD>** and then press the **ENTER** button.
4. Press the **ENTER** button.
5. Enter the password and then press the **ENTER** button.
   - Enter the old password, a new password, and confirm new password.
   - The setting is complete.

- The password is set to <7890> by default.

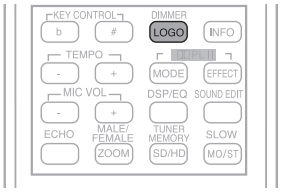
If you have forgotten the rating level password, do the following

- While the player is in no disc mode, hold the main unit's **STOP (■)** button for longer than 5 seconds. <INITIAL> appears on the display and all settings will return to the default values.
- Press the **POWER** button.
  Using the RESET function will erase all stored settings. Do not use this unless necessary.

Setting the Wallpaper

DVD JPEG

While watching a DVD or JPEG CD, you can set the image you like as background wallpaper.

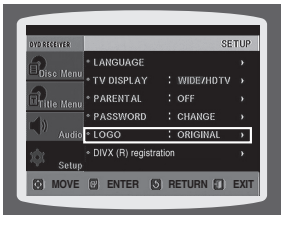


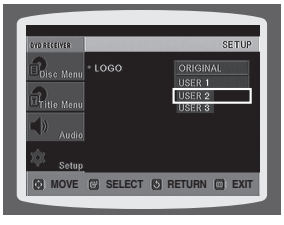
1 During playback, press the **PLAY/PAUSE** button when an image you like appears.

2 Press the **LOGO** button.
- <COPY LOGO DATA> will be displayed on the TV screen.

3 The power will turn off and then back on.
- The selected wallpaper will be displayed.
- You can select up to 3 wallpaper settings.

To Select One of the 3 Wallpaper Settings you've made





1 In Stop mode, press the **MENU** button.

2 Press the Cursor ▼ button to move to **<Setup>** and then press the **ENTER** button.

3 Press the Cursor ▼ button to move to **<LOGO>** and then press the **ENTER** button.

4 Press the Cursor ▲,▼ button to select the desired **<USER>**, and then press the **ENTER** button.
- This selects one of the 3 wallpaper screens

5 Press the **EXIT** button to exit the setup screen.

- ORIGINAL : Select this to set the Samsung Logo image as your wallpaper.
- USER : Select this to set the desired image as your wallpaper.

➢ Press the **RETURN** button to return to the previous level.

➢ Press the **EXIT** button to exit the setup screen.

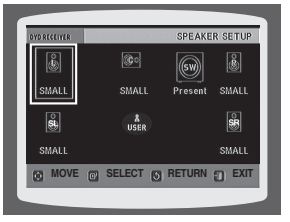
Settings (Con't)

DivX (R) registration

Please use the Registration code to register this player with the DivX (R) video on demand format.
To learn more, go to www.divx.com/vod.

Setting the Speaker Mode

Signal outputs and frequency responses from the speakers will automatically be adjusted according to your speaker configuration and whether certain speakers are used or not.



1 In Stop mode, press the **MENU** button.
2 Press the Cursor ▼ button to move to **<Audio>** and then press the **ENTER** button.
3 In the **<SPEAKER SETUP>**, press the **ENTER** button again.
4 Press the Cursor ▲,▼,◄,► button to move to the desired speaker and then press the **ENTER** button.

- For C, SL, and SR, each time the button is pressed, the mode switches alternately as follows : SMALL ➞ NONE.
- For L and R, the mode is set to SMALL.

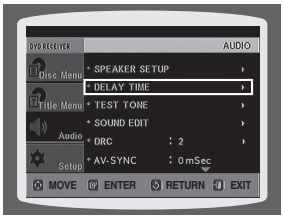
- **SMALL** : Select this when using the speakers.
- **NONE** : Select this when no speakers are connected.

- Depending on PRO LOGIC and STEREO settings, the speaker mode may vary (see page 57).

➢ Press the **RETURN** button to return to the previous level.
➢ Press the **EXIT** button to exit the setup screen.

Setting the Delay Time

If the speakers cannot be placed at equal distances from the listening position, you can adjust the delay time of the audio signals from the center and rear speakers.

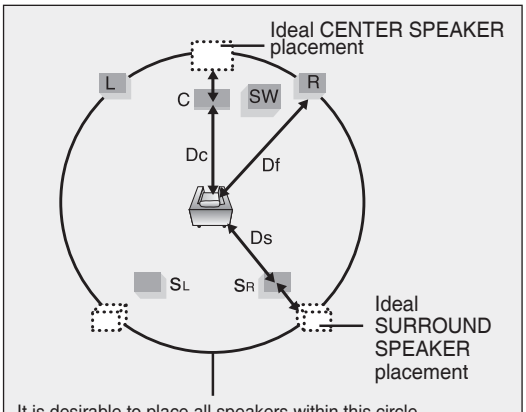


1. In Stop mode, press the **MENU** button.
2. Press the Cursor ▼ button to move to **<Audio>** and then press the **ENTER** button.
3. Press the Cursor ▼ button to move to **<DELAY TIME>** and then press the **ENTER** button.
4. Press the Cursor ▲,▼,◄,► button to move to the desired speaker and then press the **ENTER** button.
5. Press the Cursor ◄,► button to set the Delay time.
   - You can set the delay time for C between 00 and 05mSEC and for SL and SR between 00 and 15mSEC.

➢ Press **RETURN** button to return to the previous level.
➢ Press **EXIT** button to exit the setup screen.

Setting up the Speaker Delay Time

When 5.1CH Surround Sound is played, you can enjoy the best sound if the distance between you and each speaker is the same.
Since the sounds arrive at the listening position at different times depending on the placement of speakers, you can adjust this difference by adding a delay effect to the sound of the Center and Surround Speakers.



It is desirable to place all speakers within this circle.

Df: The distance from FRONT SPEAKER
Dc: The distance from CENTER SPEAKER
Ds: The distance from SURROUND SPEAKER

Setting CENTER SPEAKER
If the distance of Dc is equal to or longer than the distance of Df in the figure, set the mode as 0ms. Otherwise, change the setting according to the table.

Distance between Df and Dc	0.00 m	0.34 m	0.68 m	1.02 m	1.36 m	1.70 m
Delay Time	0 ms	1 ms	2 ms	3 ms	4 ms	5 ms

Setting REAR (SURROUND) SPEAKERS
If the distance of Df is equal to the distance of Ds in the figure, set the mode as 0ms. Otherwise, change the setting according to the table.

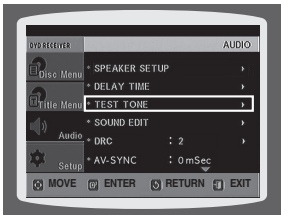
Distance between Df and Dc	0.00 m	1.02 m	2.04 m	3.06 m	4.08 m	5.10 m
Delay Time	0 ms	3 ms	6 ms	9 ms	12 ms	15 ms

- With PL II (Dolby Pro Logic II), the delay time may be different for each mode.
- With AC-3 and DTS, the delay time can be set between 00 and 15mSEC.
- The Center channel is only adjustable on 5.1 channel discs.

Settings (Con't)

Setting the Test Tone

Use the Test Tone feature to check the speaker connections.



1 In Stop mode, press the **MENU** button.

2 Press the Cursor ▼ button to move to **<Audio>** and then press the **ENTER** button.

3 Press the Cursor ▼ button to move to **<TEST TONE>** and then press the **ENTER** button.

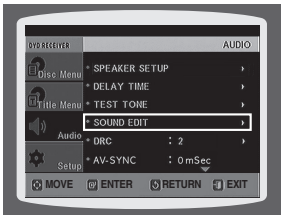
- The test tone will be sent to L ➞ C ➞ R ➞ SR ➞ SL ➞ SW in order. If the ENTER button is pressed again at this time, the test tone will stop.

➢ Press the **RETURN** button to return to the previous level.

➢ Press the **EXIT** button to exit the setup screen.

Setting the Audio

You can adjust the balance and level for each speaker.



1 In Stop mode, press the **MENU** button.

2 Press the Cursor ▼ button to move to **<Audio>** and then press the **ENTER** button.

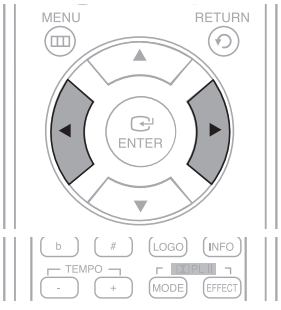
3 Press the Cursor ▼ button to move to **<SOUND EDIT>** and then press the **ENTER** button.

4 Press the Cursor ▲,▼ button to select and adjust the desired item.
Press the Cursor ◄,► button to adjust the settings.

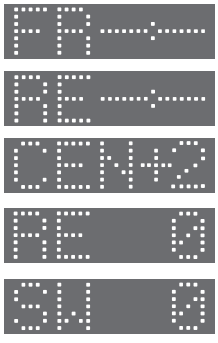
➢ Press the **RETURN** button to return to the previous level.

➢ Press the **EXIT** button to exit the setup screen.

Manually Adjusting the Speaker Volume and Balance with the SOUND EDIT Button.



Press the **SOUND EDIT** button and then press the Cursor ◄,► button.



Adjusting Front/Rear Speaker Balance

- You can select between 0 and –6 and OFF.
- The volume decreases as you move closer to –6.

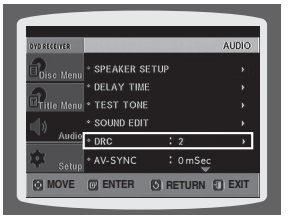
Adjusting Center/Rear/Subwoofer Speaker Level

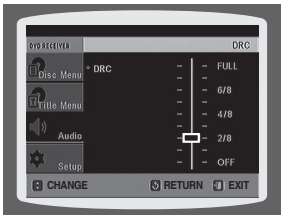
- The volume level can be adjusted in steps from +6dB to –6dB.
- The sound gets louder as you move closer to +6dB and quieter as you get closer to -6dB.

Settings (Con't)

Setting the DRC (Dynamic Range Compression)

This feature balances the range between the loudest and quietest sounds. You can use this function to enjoy Dolby Digital sound when watching movies at low volume at night.





1 In Stop mode, press the **MENU** button.

2 Press the Cursor ▼ button to move to **<Audio>** and then press the **ENTER** button.

3 Press the Cursor ▼ button to move to **<DRC>** and then press the **ENTER** button.

4 Press the Cursor ▲,▼ button to adjust the **DRC**.

- When the Cursor ▲ button is pressed, the effect is greater, and when the Cursor ▼ button is pressed, the effect is smaller.

➢ Press the **RETURN** button to return to the previous level.

➢ Press the **EXIT** button to exit the setup screen.

Setting the AV SYNC

Video may look slower than the audio if it is connected to a digital TV. If this occurs, adjust the audio delay time to to match the video.

1 In Stop mode, press the **MENU** button.

2 Press the Cursor ▼ button to move to **<Audio>** and then press the **ENTER** button.

3 Press the Cursor ▼ button to move to **<AV-SYNC>** and then press the **ENTER** button.

4 Press the Cursor ▲,▼ button to select the **AV-SYNC** Delay Time and then press the **ENTER** button.

- You can set the audio delay time between 0 ms and 300 ms. Set it to the optimal status.

➢ Press the **RETURN** button to return to the previous level.

➢ Press the **EXIT** button to exit the setup screen.

Setting the HDMI Audio

The audio signals transmitted over the HDMI Cable can be toggled ON/OFF.

1 In Stop mode, press the **MENU** button.

2 Press the Cursor ▼ button to move to **<Audio>** and then press the **ENTER** button.

3 Press the Cursor ▼ button to move to **<HDMI AUDIO>** and then press the **ENTER** button.

4 Press the Cursor ▲,▼ button to select **<ON>** or **<OFF>** and then press the **ENTER** button.

- ON : Both video and audio signals are transmitted over the HDMI connection cable, and audio is output through your TV speakers only.
- OFF : Video is transmitted over the HDMI connection cable only, and audio is output through the home theater speakers only.

- The default setting of this function is HDMI AUDIO OFF.
- HDMI AUDIO is automatically down-mixed to 2ch for TV speakers.
- During DVD-OK disc playback , this function is not available. This function is available only when set the HDMI AUDIO on before DVD-OK playback.

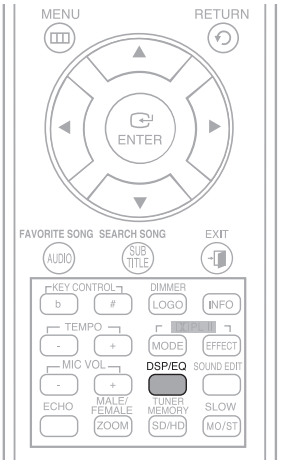
➢ Press the **RETURN** button to return to the previous level.

➢ Press the **EXIT** button to exit the setup screen.

Settings (Con't)

Sound Field (DSP)/EQ Function

DSP(Digital Signal Processor) : DSP modes have been designed to simulate different acoustic environments.
EQ : You can select ROCK, POP, or CLASSIC to optimize the sound for the genre of music you are playing.



Press the **DSP/EQ** button.

- <DSP> appears on the display panel.
- Each time the button is pressed, the selection changes as follows:

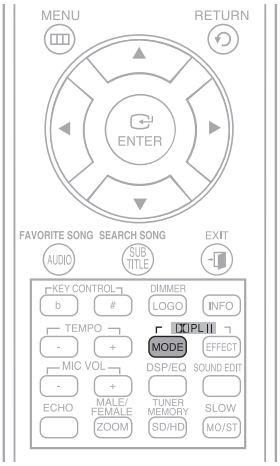
POPS → JAZZ → ROCK → STUDIO → CLUB → HALL → MOVIE → CHURCH → PASS

- **POPS, JAZZ, ROCK** : Depending on the genre of music, you can select POP, JAZZ, and ROCK.
- **STUDIO** : Provides a sense of presence as if in a studio.
- **CLUB** : Simulates the sound of a dance club with a throbbing bass beat.
- **HALL** : Provides a clear vocal as if listening in a concert hall.
- **MOVIE** : Provides the feeling of a movie theater.
- **CHURCH** : Gives the feel of being in a grand church.
- **PASS** : Select this for normal listening.

- DSP/EQ function is only available in STEREO mode.
  Press the PL II mode button to show STEREO on the display.
- This feature works with CDs, MP3-CDs, DivX and Dolby Digital discs.
- When playing a DVD disc encoded with two or more channels, multi-channel mode will be selected automatically and DSP/EQ function does not work.

Dolby Pro Logic II Mode

You can select the desired Dolby Pro Logic II audio mode.



Press the **PL II MODE** button.

- Each time the button is pressed, the mode changes as follows.

MUSIC → CINEMA → PRO LOGIC → MATRIX → STEREO

PRO LOGIC II

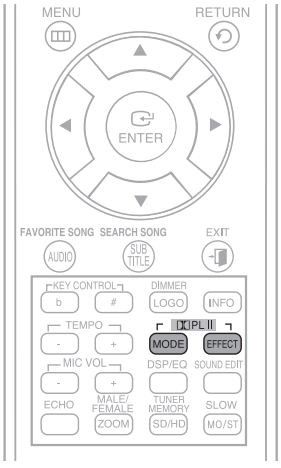
- **MUSIC** : When listening to music, you can experience sound effects as if you are listening to the actual performance.
- **CINEMA** : Adds realism to the movie soundtrack.
- **PRO LOGIC** : You will experience a realistic multi-channel effect, as if using five speakers, while using just the front left and right speakers.
- **MATRIX** : You will hear 5.1 channel surround sound.

STEREO : Select this to listen to sound from the front left and right speakers and the subwoofer only.

- When selecting Pro Logic II mode, connect your external device to the AUDIO INPUT jacks (L and R) on the player. If you connect to only one of the inputs (L or R), you cannot listen to surround sound.

Dolby Pro Logic II Effect

This function works only in Dolby Pro Logic MUSIC mode.



1. Press the **PL II MODE** button to select **<MUSIC>** mode.
2. Press the **PL II EFFECT** button to select **<PANORAMA>**, then press the Cursor ◄,► button to select the desired effect setting.
   - You can select either 0 or 1.
   - This mode extends the front stereo image to include the surround speakers for an exciting <wraparound> effect with side wall imaging.
3. Press the **PL II EFFECT** button to select **<C-WIDTH>**, then press the Cursor ◄,►button to select the desired effect setting.
   - You can select between 0 and 7.
   - This sets the width of the center image. The higher the setting, the less sound comes from the center speaker.
4. Press the **PL II EFFECT** button to select **<DIMENSION>**, then press the Cursor ◄,► button to select the desired setting.
   - You can select between 0 and 6.
   - Incrementally adjusts the sound field (DSP)from the front or rear.

- When playing a DVD disc encoded with two or more channels, multi-channel mode will be selected automatically and the PL II (Dolby Pro Logic II) button does not work.

Karaoke

Playing DVD-OK Discs

You can enjoy the feeling of a karaoke bar in the comfort of your home. Watch the video and sing along the lyrics displayed on the TV screen against the accompaniment.

1 Use the **Numeric** (0~9) buttons to select the song you want to play back.

2 Press the **PLAY/PAUSE (►II)** button or the **ENTER** button.

- The numeric and title of the song will be displayed and the accompaniment starts.

➢ To clear incorrectly entered song numeric

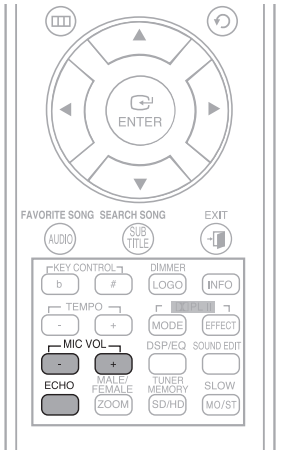
- Press the **CANCEL** button.

➢ To stop during accompaniment

- Press the **STOP** (■) button.

Wireless Microphone Operation

Connect the wireless mic antenna into the jack located in the rear of the main unit.



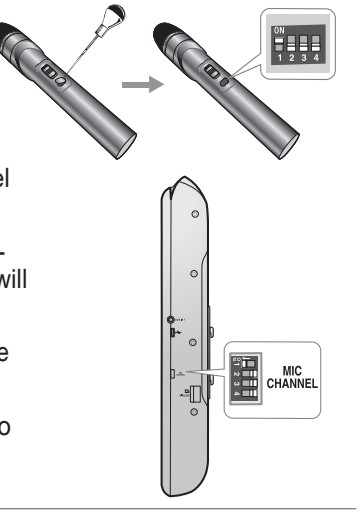
1 Insert alkaline batteries (1.5VX3) in the power part of microphone.

2 Approve the power to the microphone and set same channel for microphone and main unit before use (refer to channel setup table).

3 When you turn on the power switch of microphone after setting the channel, LED will light and the microphone is ready to use.

4 Press the **MIC VOL** button to adjust the voice volume of the microphone.

5 Press the **ECHO** button to adjust the echo level of the microphone.



- If you hear strange noises (squealing or howling) while using the Karaoke feature, move the microphone away from the speakers. Turning down the microphone volume or the speaker volume is also effective.
- Microphone doesn't work while HDMI mode and HDMI AUDIO ON.
- If you use the wireless microphone under the TX card connected, the rear speaker will not make sound.
- A Karaoke CD supporting 5.1 channels in the market may not be played properly.
- If you see “MiC ON” on the screen with noise when you turned off Wireless MiC, change the channel.
- If you see “MiC ON” on the screen with noise when you turned off Wireless MiC but failed, change the channel.
- Use only the specified battery (Alkaline).
- A discharged battery can cause liquid leak inside the battery compartment. So remove the battery when it’s completely discharged.

Channel Setup Table

Dip Switch NO.				Dip Switch NO.
1	2	3	4	
ON	OFF	OFF	OFF	ch1
OFF	ON	OFF	OFF	ch2
ON	ON	OFF	OFF	ch3
OFF	OFF	ON	OFF	ch4
ON	OFF	ON	OFF	ch5
OFF	ON	ON	OFF	ch6
ON	ON	ON	OFF	ch7

- Make sure to set the same channel for main unit. Main unit and microphone should have same channels to enable transmission and reception between them.
- Use alkaline battery for power as much s possible. Ordinary battery may cause shorter service life of microphone and main unit and may deteriorate the performance.
- Make sure to turn off the power switch before inserting the batteries, and check the polarity (+)(-) of battery when inserting the battery.
- If you drop the battery in the water accidentally during use, immediately turn off the power switch and contact the A/S center.
- RF noise may occur in the area near railroad, power line and big motor where high voltage runs and EMI noise occurs.
- Since the internal parts of device are manufactured precisely, do not disassemble it as you want.
- Make sure to remove and keep the batteries in safe place, if you do not use it for long period of time.

Karaoke (Con't)

Reserving Accompaniment Music

While the accompaniment is playing, you can reserve the next song you want to sing.

1 Press the **Numeric** (0~9) buttons to select the song you want to reserve.

2 Press the **RESERVE** button.

- The next song is reserved

➢ To Cancel the Reservation

1. Enter the numeric of the song you have reserved.
2. Press the Cancel button.

- RESERVE function will not operate if REPEAT function is set while DVD-OK is played.

Priority Playing Accompaniment Music

Even if there is a song already reserved, you can have the song you want to sing to be played first.

1 In Stop mode, press the **Numeric** (0~9) buttons to select the song you want to play back.

2 Press the **PLAY/PAUSE (►II)** button.

DVD-OK Repeat Play

Press the **REPEAT** button.

- Each time the button is pressed, the selection changes as follows:

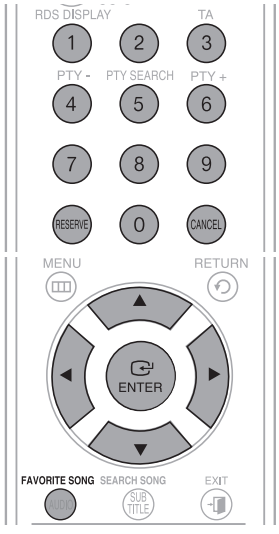
REPEAT OFF → REPEAT TRACK → REPEAT DISC → REPEAT RANDOM

- RESERVE function will not operate if REPEAT function is set while DVD-OK is played.

Favorite Song Function

You can save 50 songs you like or sing often each in FAVORITE1, 2, 3, a total of 150 songs to easily find and sing a your favorite song.

Saving FAVORITE SONG



1 During the stop mode, press the **FAVORITE SONG** button.

2 Press ◄,► button to select the location to save among FAVORITE1, 2, 3.

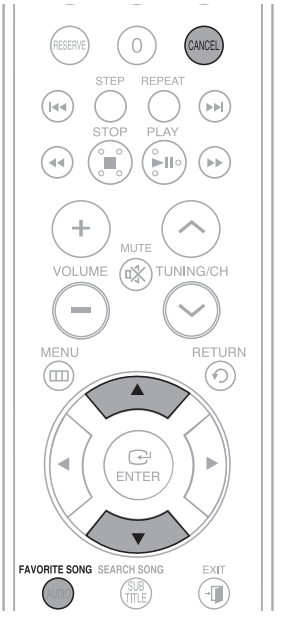
3 Press the **number** (0~9) button to enter the song you want.

4 Press the **RESERVE** button to save it.

Karaoke (Con't)

Favorite Song Function (Con't)

Deleting FAVORITE SONG



1 During the stop mode, press the **FAVORITE SONG** button.

2 Press ▲,▼ button to select the location to save among FAVORITE1, 2, 3.

3 Press the **CANCEL** button.

Singing FAVORITE SONG

1 During the stop mode, press the **FAVORITE SONG** button.

2 Press ◄,► button to select the location of song among FAVORITE 1, 2, 3.

3 Press ▲,▼ button to select the song you want.

4 Press the **ENTER** button to play back selected song.

➢ To Exit FAVORITE SONG Screen

- Press **STOP**(■) button or FAVORITE SONG button.

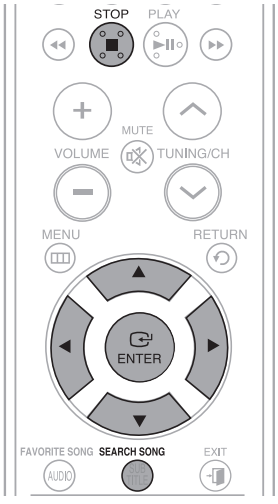
Search Song Function

You can easily do song search on screen without viewing the song list book.

Structure of Song Search

Items	Detailed Items	Alphabet
RUSSIA ENGLISH UKRAINE	NAME/SINGER NAME/SINGER NAME/SINGER	A ~ Z A ~ Z A ~ Z
DUET SONG	-	
GENRE	ROCK CHANSON FOLK BARD ROMANCES	
HITS SONGS	MODERN 30-60S 70S/80S CHILDREN ARMY	

Search by Language



1 During the stop mode, press the **SEARCH SONG** button and then press ▲,▼ button to select the language you want.

- You can select the language among **RUSSIA → ENGLISH → UKLAINE**.
- At this time, press ◄ button to move to the song list on the bottom.

2 Press ► button to move to the detailed items and then press ▲,▼ button to select the **<NAME>** or **<SINGER>**.

- Press ◄ button if you want to move to the previous stage.

3 Press ► button to move to alphabet and press ▲,▼ button to select it.

- Press ◄ button if you want to move to the previous stage.

4 Press ► button to move to the song list on the bottom and then press ▲,▼ button to select the song you want.

- Press ◄ button if you want to move to the previous stage.

5 Press the **ENTER** button to play back selected song.

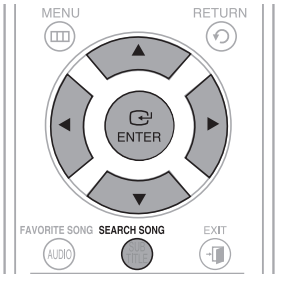
➢ To Exit Search Song Screen

- Press **STOP**(■) button or **SEARCH SONG** button.

Karaoke (Con't)

Search Song Function (Con't)

Searching DUET SONG



1 During the stop mode, press the **SEARCH SONG** button and then press ▲,▼ button to select the **<DUET SONG>**.

2 Press ◄,► button to move to the song list on the bottom.

3 Press ▲,▼ button to select the song you want.

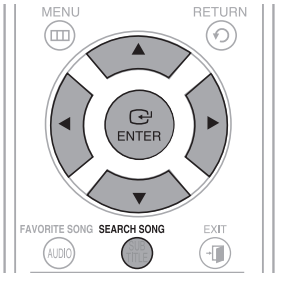
- Press ◄ button if you want to move to the previous stage.

4 Press the **ENTER** button to play back selected song.

➢ To Exit Search Song Screen

- Press **STOP**(■) button or **SEARCH SONG** button.

Searching by Genre



1 During the stop mode, press the **SEARCH SONG** button and then press ▲,▼ button to select the **<GENRE>**.

- At this time, press ◄ button to move to the song list on the bottom.

2 Press ► button to move to the detailed items and then press ▲,▼ button to select the genre you want.

- You can select the genre among **ROCK → CHANSON → FOLK → BARD → ROMANCES**.
- Press ◄ button if you want to move to the previous stage.

3 Press ► button to move to the song list on the bottom and then press ▲,▼ button to select the song you want.

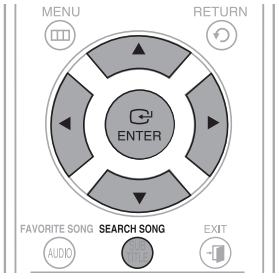
- Press ◄ button if you want to move to the previous stage.

4 Press the **ENTER** button to play back selected song.

➢ To Exit Search Song Screen

- Press **STOP**(■) button or **SEARCH SONG** button.

Searching by HITS SONGS



1 During the stop mode, press the **SEARCH SONG** button and then press ▲,▼ button to select the **<HITS SONGS>**.

- At this time, press ◄ button to move to the song list on the bottom.

2 Press ► button to move to the detailed items and then press ▲,▼ button to select the hits song.

- You can select the song among **MODERN → 30-60S → 70S/80S → CHILDREN → ARMY**.
- Press ◄ button if you want to move to the previous stage.

3 Press ► button to move to the song list on the bottom and then press ▲,▼ button to select the song you want.

- Press ◄ button if you want to move to the previous stage.

4 Press the **ENTER** button to play back selected song.

➢ To Exit Search Song Screen

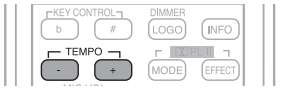
- Press **STOP**(■) button or **SEARCH SONG** button.

Key Control

During the playback, press the **KEY CONTROL** buttons.

- Each time # button is pressed, the key is increased, and each time b button is pressed, the key is decreased.

Tempo Control

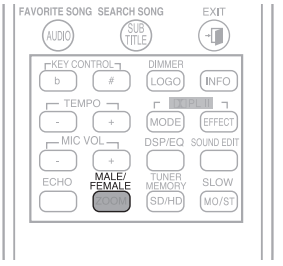


During the playback, press the **TEMPO** buttons.

- Each time + button is pressed, the tempo gets faster, and each time – button is pressed the tempo gets slower.

Karaoke (Con't)

Male-Female Key Control

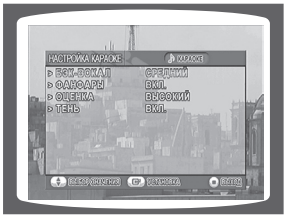


During the playback, press the **MALE/FEMALE** button.

- Each time the button is pressed, this selection alternates between Male and Female.
- Select Male when singing in male voice and select Female when singing in female voice.

Setting the Chorus

You can set the chorus to ON or OFF.



1 Load a DVD-OK discs.

2 Press **MENU** button.

3 Press Cursor ▲,▼ button to move to **<Chorus>**.

4 Press **ENTER** button to select the desired item.

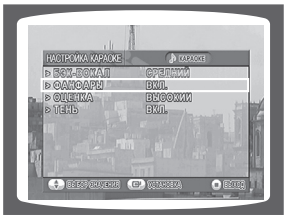
- Each time the button is pressed, the selection changes as follows :

  ON → OFF.

- If you operate the Tempo function while a song with supporting chorus is played back, the chorus will be released.
- Chorus function may not work depending on information recorded in the disc.

Setting the Fanfare

You can set Fanfare to come out after singing a song.



1 Load a DVD-OK discs.

2 Press **MENU** button.

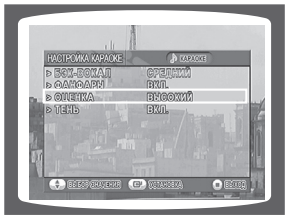
3 Press Cursor ▲,▼ button to move to **<Fanfare>**.

4 Press **ENTER** button to select the desired item.

- Each time the button is pressed, the selection changes as follows : **ON → OFF**.

Setting the Average Score

You can set the grade of scores displayed in the screen in advance.



1 Load a DVD-OK discs.

2 Press **MENU** button.

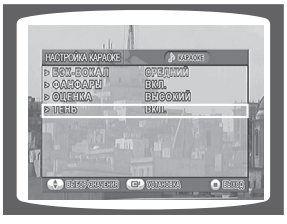
3 Press Cursor ▲,▼ button to move to **<Average Score>**.

4 Press **ENTER** button to select the desired item.

- Each time the button is pressed, the selection changes as follows : **LOW → MIDDLE → HIGH → RANDOM → OFF.**

Setting the Shadow

You can set the lyrics to be displayed in the black strips.



1 Load a DVD-OK discs.

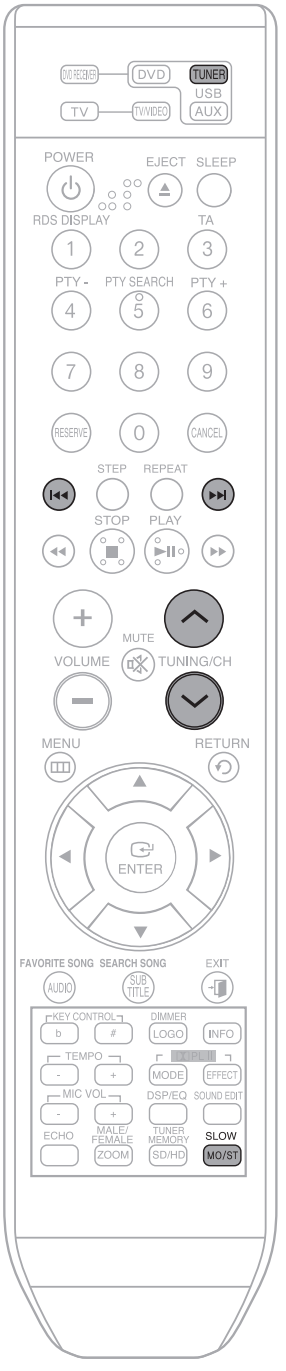
2 Press **MENU** button.

3 Press Cursor ▲,▼ button to move to **<Shadow>**.

4 Press **ENTER** button to select the desired item.

- Each time the button is pressed, the selection changes as follows : **ON → OFF**.

Listening to Radio



Remote Control

1 Press the **TUNER** button to select the FM band.

2 Tune in to the desired station.

- **Automatic Tuning 1** : When the ⏮,⏭ button is pressed, a preset broadcast station is selected.
- **Automatic Tuning 2** : Press the and hold ∨,∧ button to automatically search for active broadcasting stations.
- Manual Tuning : Briefly press the ∨,∧ button to increase or decrease the frequency incrementally.

Main Unit

1 Press the **FUNCTION** button to select the FM band.

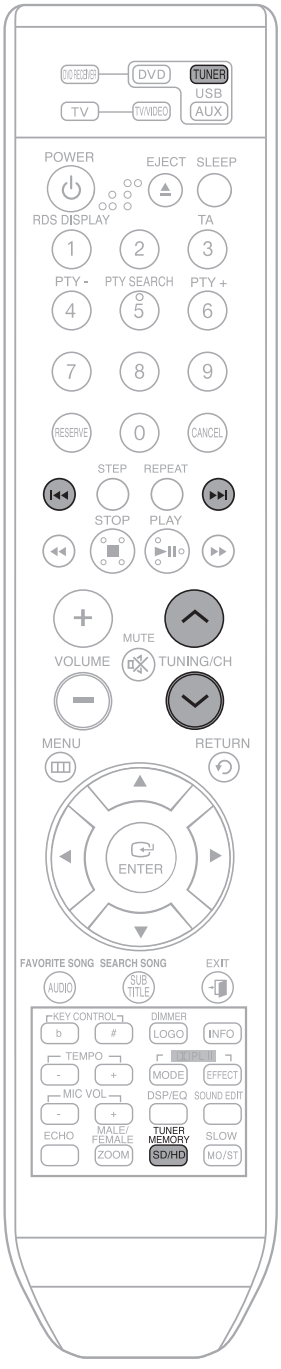
2 Select a broadcast station.

- **Automatic Tuning 1** : Press the **STOP (■)** button to select PRESET and then press the ⏮,⏭ button to select the preset station.
- **Automatic Tuning 2** : Press the **STOP (■)** button to select **<MANUAL>** and then press the and hold ⏮,⏭ button to automatically search the band.
- **Manual Tuning** : Press the **STOP (■)** button to select **<MANUAL>** and then briefly press the ⏮,⏭ button to tune in to a lower or higher frequency.

➢ Press the **MO/ST** button to listen in Mono/Stereo.
(This applies only when listening to an FM station.)

- Each time the button is pressed, the sound switches between **<STEREO>** and **<MONO>**.
- In a poor reception area, select **<MONO>** for a clear, interference-free broadcast.

Presetting Stations



Example : Presetting FM 89.10 in the memory

1 Press the **TUNER** button to select the FM band.

2 Press the ∨,∧ button to select **<89.10>**.

3 Press the **TUNER MEMORY** button.
- **<CH 1>** flashes in the display.

4 Press the ⏮,⏭ button to select preset number.
- You can select between 1 and 15 presets.

5 Press the **TUNER MEMORY** button again.
- Press the **TUNER MEMORY** button before **<Number>** disappears from the display.
- **<Number>** disappears from the display and the station is stored in memory.

6 To preset another station, repeat steps 2 to 5.

➢ To tune in to a preset station, press the ⏮,⏭ button on the remote control to select a channel.

- This unit does not receive AM broadcasts.

About RDS broadcasting

Using the RDS (Radio Data System) to receive FM stations

RDS allows FM stations to send an additional signal along with their regular program signals. For example, the stations send their station names, as well as information about what type of program they broadcast, such as sports or music, etc.

When tuned to an FM station which provides the RDS service, the RDS indicator lights up on the display.

Description on RDS function

- PTY (Program Type) : Displays the type of programme currently being broadcast
- PS NAME (Program Service Name) : Indicates the name of broadcasting station and is composed of 8 characters.
- RT (Radio Text) : Decodes the text broadcast by a station (if any) and is composed of maximum 64 characters.
- CT (Clock Time) : Decodes the real time clock from the FM frequency.Some stations may not transmit PTY, RT or CT information therefore this may not be displayed in all cases.
- TA (Traffic Announcement) : When this symbol flashes it shows that the traffic announcement is in progress.

- RDS may not operate correctly if the station tuned is not transmitting RDS signal properly or if the signal strength is weak.

TO show the RDS signals

You can see the RDS signals the station sends on the display.

Press the RDS **DISPLAY** while listening to an FM station.

- Each time you press the button, the display change to show you the following information :

PS NAME → RT → CT → Frequency

- PS (Program Service) : While searching, <PS> appears and then the station names will be displayed. <NO PS> appears if no signal is sent.
- RT(RadioText) : while searching, <RT> appears and then text messages the station sends will be displayed. <NO RT> appears if no signal is sent.
- Frequency : station frequency (non-RDS service)

About characters shown in the display

When the display shows PS,or RT signals,the following characters are used.

- The display window cannot differentiate upper case and lower case letters and always uses upper case letters.
- The display window cannot show accented letters, “A,” for instance, may stands for accented “A’s” like “À, Â, Ä, Á, Å and Ã.”

- If searching finishes at once, “PS”, and “RT” will not appear on the display.

PTY (Program Type) indication and PTY-SEARCH function

One of the advantages of the RDS service is that you can locate a particular kind of program from the preset channels by specifying the PTY codes.

To search for a program using the PTY codes

Before you start, remember...

- The PTY Search is only applicable to preset stations.
- To stop searching any time during the process, press PTY SEARCH while searching.
- There is a time limit in doing the following steps. If the setting is cancelled before you finish, start from step 1 again.
- When pressing the buttons on the primary remote control, make sure that you have selected the FM station using the primary remote control.

1 Press the **PTY SEARCH** while listening to an FM station.

2 Press the **PTY-** or **PTY+** until the PTY code you want appears on the display.
- The display gives you the PTY codes described to the right.

3 Press the **PTY SEARCH** again, while the PTY code selected in the previous step is still on the display.
- The center unit searches 15 preset FM stations, stops when it finds the one you have selected, and tunes in that station.

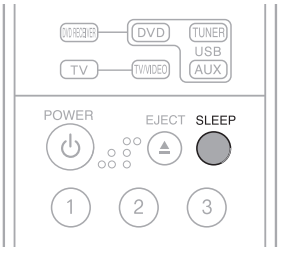
Display	Program Type
NEWS	News including an announced opinion and report
AFFAIRS	Several matters including a current incident, documentary, discussion and analysis.
INFO	Information including weights and measures, returns and forecast, matters interesting the customer, medical information, etc.
SPORT	Sports
EDUCATE	Education
DRAMA	Drama-Radio serial, etc.
CULTURE	Culture-National or local culture including the religious problem, social science, language, theater, etc.
SCIENCE	Natural science and technology
VARIED	Others-Speech, amusing program (quiz, game), interview, comedy and satirical play, etc.
POP M	Pop music
ROCK M	Rock music
M.O.R.M	Current contemporary music considered to be “easy listening.”

Display	Program Type
LIGHT M	Light classical music- Classical music and instrumental and chorus music
CLASSICS	Heavy classical music-Orchestra music, symphony, chamber music and opera
OTHER M	Other music - Jazz, R&B country music
WEATHER	Weather
FINANCE	Finance
CHILDREN	Children’s programmes
SOCIAL A	Social affairs
RELIGION	Religion
PHONE IN	Phone in
TRAVEL	Travel
LEISURE	Leisure
JAZZ	Jazz Music
COUNTRY	Country Music
NATION M	National Music
OLDIES	Oldies Music
FOLK M	Folk Music
DOCUMENT	Documentary

Convenient Functions

Sleep Timer Function

You can set the time that the Home Theater will shut itself off.



Press the **SLEEP** button.

- Each time the button is pressed, the preset time changes as follows :

  10 ➞ 20 ➞ 30 ➞ 60 ➞ 90 ➞ 120 ➞ 150 ➞ OFF.

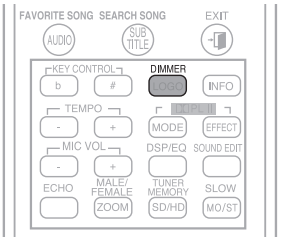
➢ To confirm the sleep timer setting, press the **SLEEP** button.

- The remaining time before the Home Theater will shut itself off is displayed.
- Pressing the button again changes the sleep time from what you have set earlier.

➢ To cancel the sleep timer, press the **SLEEP** button until **<OFF>** appears on the display.

Adjusting Display Brightness

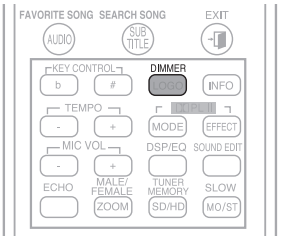
You can adjust the brightness of the display on the main unit so it won't interfere with your movie viewing.



Press the **DIMMER** button.

- Each time the button is pressed, the brightness of front display will be adjusted.

BUZZER / HOLD Functions



Each time you press and hold the **DIMMER** button for more than 2 seconds, the following functions are selected in order: **BUZZER ➞ HOLD**

- **BUZZER** :Turns off the buzzer that rings each time you press any of the top buttons on the main unit.Each time you press and release the **DIMMER** button, it toggles between **BUZZER ON** and **OFF**.
- **HOLD** : Locks the top buttons on the main unit. Each time you press and release the **DIMMER** button, it toggles between **HOLD ON** and **OFF**.

Mute Function

This is useful when answering a doorbell or telephone call.

Press the **MUTE** button.

- < 🔇--- > appears in the display.
- To restore the sound, press the MUTE button again.

Operating a TV with the Remote Control

When operating a TV with the remote control

1 Press the **TV** button to set the remote to TV mode.

2 Press the **POWER** button to turn on the TV.

3 While holding down the **POWER** button, enter the code corresponding to your brand of TV.

- If there is more than one code listed for your TV in the table, enter one at a time to determine which code works.

Example : For a Samsung TV

While holding down the **POWER** button, use the number buttons to enter 00, 15, 16, 17 and 40.

4 If the TV turns off, the setting is complete.

- You can use the TV POWER, VOLUME, CHANNEL, and Numeric buttons (0~9).

- The remote control may not work on some brands of TVs. Also, some operations may not be possible depending on your brand of TV.
- If you do not set the remote control with the code for your brand of TV, the remote control will work on a Samsung TV by default.

Operating a TV with the Remote Control (Con't)

TV Brand Code List

No.	Brand	Code	No.	Brand	Code
1	Admiral (M.Wards)	56, 57, 58	44	MTC	18
2	A Mark	01, 15	45	NEC	18, 19, 20, 40, 59, 60
3	Anam	01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 13, 14	46	Nikei	03
			47	Onking	03
4	AOC	01, 18, 40, 48	48	Onwa	03
5	Bell & Howell (M.Wards)	57, 58, 81	49	Panasonic	06, 07, 08, 09, 54, 66, 67, 73, 74
6	Brocsonic	59, 60	50	Penney	18
7	Candle	18	51	Philco	03, 15, 17, 18, 48, 54, 59, 62, 69, 90
8	Cetronic	03	52	Philips	15, 17, 18, 40, 48, 54, 62, 72
9	Citizen	03, 18, 25	53	Pioneer	63, 66, 80, 91
10	Cinema	97	54	Portland	15, 18, 59
11	Classic	03	55	Proton	40
12	Concerto	18	56	Quasar	06, 66, 67
13	Contec	46	57	Radio Shack	17, 48, 56, 60, 61, 75
14	Coronado	15	58	RCA/Proscan	18, 59, 67, 76, 77, 78, 92, 93, 94
15	Craig	03, 05, 61, 82, 83, 84	59	Realistic	03, 19
16	Croslex	62	60	Sampo	40
17	Crown	03	61	Samsung	00, 15, 16, 17, 40, 43, 46, 47, 48, 49, 59, 60, 98
18	Curtis Mates	59, 61, 63			
19	CXC	03	62	Sanyo	19, 61, 65
20	Daewoo	02, 03, 04, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 34, 35, 36, 48, 59, 90	63	Scott	03, 40, 60, 61
			64	Sears	15, 18, 19
21	Daytron	40	65	Sharp	15, 57, 64
22	Dynasty	03	66	Signature 2000 (M.Wards)	57, 58
23	Emerson	03, 15, 40, 46, 59, 61, 64, 82, 83, 84, 85	67	Sony	50, 51, 52, 53, 55
24	Fisher	19, 65	68	Soundesign	03, 40
25	Funai	03	69	Spectricon	01
26	Futuretech	03	70	SSS	18
27	General Electric (GE)	06, 40, 56, 59, 66, 67, 68	71	Sylvania	18, 40, 48, 54, 59, 60, 62
28	Hall Mark	40	72	Symphonic	61, 95, 96
29	Hitachi	15, 18, 50, 59, 69	73	Tatung	06
30	Inkel	45	74	Techwood	18
31	JC Penny	56, 59, 67, 86	75	Teknika	03, 15, 18, 25
32	JVC	70	76	TMK	18, 40
33	KTV	59, 61, 87, 88	77	Toshiba	19, 57, 63, 71
34	KEC	03, 15, 40	78	Vidtech	18
35	KMC	15	79	Videch	59, 60, 69
36	LG (Goldstar)	01, 15, 16, 17, 37, 38, 39, 40, 41, 42, 43, 44	80	Wards	15, 17, 18, 40, 48, 54, 60, 64
37	Luxman	18	81	Yamaha	18
38	LXI (Sears)	19, 54, 56, 59, 60, 62, 63, 65, 71	82	York	40
39	Magnavox	15, 17, 18, 48, 54, 59, 60, 62, 72, 89	83	Yupiteru	03
40	Marantz	40, 54	84	Zenith	58, 79
41	Matsui	54	85	Zonda	01
42	MGA	18, 40	86	Dongyang	03, 54
43	Mitsubishi/MGA	18, 40, 59, 60, 75			

Troubleshooting

Refer to the chart below when this unit does not function properly. If the problem you are experiencing is not listed below or if the instruction below does not help, turn off the unit, disconnect the power cord, and contact the nearest authorized dealer or Samsung Electronics Service Center.

Symptom	Check/Remedy
I cannot eject the disc.	▪ Is the power cord plugged securely into the outlet? ▪ Turn off the power and then turn it back on.
Playback does not start.	▪ Check the region number of the DVD. DVD discs purchased from abroad may not be playable. ▪ CD-ROMs and DVD-ROMs cannot be played on this DVD player. ▪ Make sure that the rating level is correct.
Playback does not start immediately when the Play/Pause button is pressed.	▪ Are you using a deformed disc or a disc with scratches on the surface? ▪ Wipe the disc clean.
Sound is not produced.	▪ No sound is heard during fast playback, slow playback, and step motion playback. ▪ Are the speakers connected properly? Is the speaker setup correctly customized? ▪ Is the disc severely damaged?
Sound can be heard only from a few speakers and not all six.	▪ When listening to a CD or radio, sound is output to the front speakers (L/R) only. Select <PRO LOGIC II> by pressing ⧠ PL II (Dolby Pro Logic II) on the remote control to use all six speakers. ▪ Make sure that the DVD disc is 5.1-CH compatible. ▪ If you set C, SL, and SR to NONE in the speaker mode in the audio setup of the setup screen, no sound is heard from the center speaker and the front left and right speakers. Set C, SL, and SR to SMALL.
Dolby Digital 5.1 CH Surround Sound is not produced.	▪ Is there <Dolby Digital 5.1 CH> mark on the disc? Dolby Digital 5.1 CH Surround Sound is produced only if the disc is recorded with 5.1 channel sound. ▪ Is the audio language correctly set to DOLBY DIGITAL 5.1-CH in the information display?
The remote control does not work.	▪ Is the remote control being operated within its operation range of angle and distance? ▪ Are the batteries exhausted? ▪ Have you selected the mode(TV/DVD) functions of the remote control (TV or DVD) correctly?

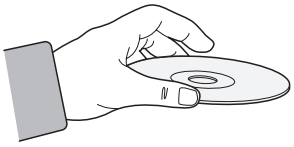
Troubleshooting (Con't)

Symptom	Check/Remedy
▪ **Disc is rotating but no picture is produced.** ▪ **Picture quality is poor and picture is shaking.**	• Is the TV power on? • Are the video cables connected properly? • Is the disc dirty or damaged? • A poorly manufactured disc may not be playable.
Audio language and subtitles do not work.	• Audio language and subtitles will not work for DVDs not containing them. And depending on the disc, they may work differently.
Menu screen does not appear even when the menu function is selected.	• Are you using a disc that does not contain menus?
Aspect ratio cannot be changed.	• You can play 16:9 DVDs in 16:9 WIDE mode, 4:3 LETTER BOX mode, or 4:3 PAN SCAN mode, but 4:3 DVDs can be seen in 4:3 ratio only. Refer to the DVD disc jacket and then select the appropriate function.
▪ **The main unit is not working. (Example: The power goes out or strange noise is heard.)** ▪ **The DVD player is not working normally.**	• Turn off the power and hold the **STOP(■)** button on the main unit for longer than 5 seconds. **Using the RESET function will erase all stored settings. Do not use this unless necessary.**
The password for rating level has been forgotten.	• While <**No Disc**> message appears on the display of main unit, hold the main unit's **STOP(■)** button for longer than 5 seconds. <INITIAL> appears on the display and all settings will return to the default values. • Press the POWER button. **Using the RESET function will erase all stored settings. Do not use this unless necessary.**
Can't receive radio broadcast.	• Is the antenna connected properly? • If the antenna's input signal is weak, install an external FM antenna in an area with good reception.
Can't receive radio broadcastç	• If the eject button is pressed while listening to TV audio using the D.IN, AUX functions, the DVD functions are turned on and this stops the TV audio.

Cautions on Handling and Storing Discs

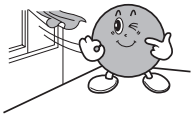
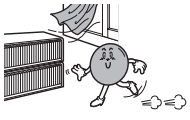
Small scratches on the disc may reduce sound and picture quality or cause skipping.
Be especially careful not to scratch discs when handling them.

Handling discs



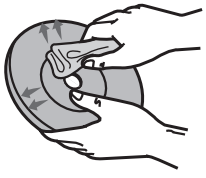
Do not touch the playback side of the disc.
Hold the disc by the edges so that fingerprints will not get on the surface.
Do not stick paper or tape on the disc.

Disc Storage

Do not keep in direct sunlight	Keep in a cool ventilated area	Keep in a clean Protection jacket. Store vertically.
		

- Do not allow the discs to become contaminated with dirt.
- Do not load cracked or scratched discs.

Handling and Storing Discs



When you get fingerprints or dirt on the disc, clean it with a mild detergent diluted in water and wipe with a soft cloth.

- When cleaning, wipe gently from the inside to the outside of the disc.

- Condensation may form if warm air comes into contact with cold parts inside the player. When condensation forms inside the player, the player may not operate correctly. If this occurs, remove the disc and let the player stand for 1 or 2 hours with the power on.

Language Code List

Enter the appropriate code number for the initial settings <Disc Audio>, <Disc Subtitle> and/or <Disc Menu> (See page 46).

Code	Language	Code	Language	Code	Language	Code	Language
1027	Afar	1181	Frisian	1334	Latvian, Lettish	1506	Slovenian
1028	Abkhazian	1183	Irish	1345	Malagasy	1507	Samoan
1032	Afrikaans	1186	Scots Gaelic	1347	Maori	1508	Shona
1039	Amharic	1194	Galician	1349	Macedonian	1509	Somali
1044	Arabic	1196	Guarani	1350	Malayalam	1511	Albanian
1045	Assamese	1203	Gujarati	1352	Mongolian	1512	Serbian
1051	Aymara	1209	Hausa	1353	Moldavian	1513	Siswati
1052	Azerbaijani	1217	Hindi	1356	Marathi	1514	Sesotho
1053	Bashkir	1226	Croatian	1357	Malay	1515	Sundanese
1057	Byelorussian	1229	Hungarian	1358	Maltese	1516	Swedish
1059	Bulgarian	1233	Armenian	1363	Burmese	1517	Swahili
1060	Bihari	1235	Interlingua	1365	Nauru	1521	Tamil
1069	Bislama	1239	Interlingue	1369	Nepali	1525	Tegulu
1066	Bengali; Bangla	1245	Inupiak	1376	Dutch	1527	Tajik
1067	Tibetan	1248	Indonesian	1379	Norwegian	1528	Thai
1070	Breton	1253	Icelandic	1393	Occitan	1529	Tigrinya
1079	Catalan	1254	Italian	1403	(Afan) Oromo	1531	Turkmen
1093	Corsican	1257	Hebrew	1408	Oriya	1532	Tagalog
1097	Czech	1261	Japanese	1417	Punjabi	1534	Setswana
1103	Welsh	1269	Yiddish	1428	Polish	1535	Tonga
1105	Danish	1283	Javanese	1435	Pashto, Pushto	1538	Turkish
1109	German	1287	Georgian	1436	Portuguese	1539	Tsonga
1130	Bhutani	1297	Kazakh	1463	Quechua	1540	Tatar
1142	Greek	1298	Greenlandic	1481	Rhaeto-Romance	1543	Twi
1144	English	1299	Cambodian	1482	Kirundi	1557	Ukrainian
1145	Esperanto	1300	Kannada	1483	Romanian	1564	Urdu
1149	Spanish	1301	Korean	1489	Russian	1572	Uzbek
1150	Estonian	1305	Kashmiri	1491	Kinyarwanda	1581	Vietnamese
1151	Basque	1307	Kurdish	1495	Sanskrit	1587	Volapuk
1157	Persian	1311	Kirghiz	1498	Sindhi	1613	Wolof
1165	Finnish	1313	Latin	1501	Sangro	1632	Xhosa
1166	Fiji	1326	Lingala	1502	Serbo-Croatian	1665	Yoruba
1171	Faeroese	1327	Laothian	1503	Singhalese	1684	Chinese
1174	French	1332	Lithuanian	1505	Slovak	1697	Zulu

USB Host Feature Supported Products

ENG

Digital Camera

Product	Company	Type
Finepix-A340	Fuji	Digital Camera
Finepix-F810	Fuji	Digital Camera
Finepix-F610	Fuji	Digital Camera
Finepix-f450	Fuji	Digital Camera
Finepix S7000	Fuji	Digital Camera
Finepix A310	Fuji	Digital Camera
KD-310Z	Konica	Digital Camera
Finecam SL300R	Kyocera	Digital Camera
Finecam SL400R	Kyocera	Digital Camera
Finecam S5R	Kyocera	Digital Camera
Finecam Xt	Kyocera	Digital Camera
Dimage-Z1	Minolta	Digital Camera
Dimage Z1	Minolta	Digital Camera
Dimage X21	Minolta	Digital Camera
Coolpix4200	Nikon	Digital Camera
Coolpix4300	Nikon	Digital Camera
Coolpix 2200	Nikon	Digital Camera
Coolpix 3500	Nikon	Digital Camera
Coolpix 3700	Nikon	Digital Camera
Coolpix 4100	Nikon	Digital Camera
Coolpix 5200	Nikon	Digital Camera
Stylus 410 digital	Olympus	Digital Camera
300-digital	Olympus	Digital Camera
U300	Olympus	Digital Camera
X-350	Olympus	Digital Camera
C-760	Olympus	Digital Camera
C-5060	Olympus	Digital Camera
X1	Olympus	Digital Camera
U-mini	Olympus	Digital Camera
Lumix-FZ20	Panasonic	Digital Camera
DMC-FX7GD	Panasonic	Digital Camera
Lumix LC33	Panasonic	Digital Camera
LUMIX DMC-F1	Panasonic	Digital Camera
Optio-S40	Pentax	Digital Camera
Optio-S50	Pentax	Digital Camera
Optio 33LF	Pentax	Digital Camera
Optio MX	Pentax	Digital Camera
Digimax-420	Samsung	Digital Camera
Digimax-400	Samsung	Digital Camera
Sora PDR-T30	Toshiba	Digital Camera
Coolpix 5900	Nikon	Digital Camera
Coolpix S1	Nikon	Digital Camera
Coolpix 7600	Nikon	Digital Camera
DMC-FX7	Panasonic	Digital Camera
Dimage Xt	Minolta	Digital Camera
AZ-1	Olympus	Digital Camera

USB Flash Disk

Product	Company	Type
Cruzer Micro	Sandisk	USB 2.0 USB Flash Drive 128M
Cruzer Mini	Sandisk	USB 2.0 128M
Cruzer Mini	Sandisk	USB 2.0 256M
SONY Micro Vault	Sony	USB 2.0 64MB
FLEX DRIVE	Serotech	USB 2.0 32MB
AnyDrive	A.L tech	USB 2.0 128MB
XTICK	LG	USB 2.0 128M
Micro Mini	Iomega	USB 2.0 128M
iFlash	Imation	USB 2.0 64M
LG	XTICK(M)	USB 2.0 64M
RiDATA	EZDrive	USB 2.0 64M

MP3 Player

Product	Company	Type
Creative MuVo NX128M	Creative	128 MB MP3 Player
Iriver H320	Iriver	20G HDD MP3 Player
YH-920	Samsung	20G HDD MP3 Player
YP-T7	Samsung	MP3 Player
YP-MT6	Samsung	MP3 Player
YP-T6	Samsung	MP3 Player
YP-T9	Samsung	MP3 Player
YP-ST5	Samsung	MP3 Player
YP-T5	Samsung	MP3 Player
YP-K5	Samsung	MP3 Player
YP-K3	Samsung	MP3 Player
YP-U3	Samsung	MP3 Player
YP-Z5F	Samsung	MP3 Player
iAUDIO U2	Cowon	MP3 Player
iAUDIO G3	Cowon	MP3 Player
iAudio M3	Cowon	HDD MP3 Player
SI-M500L	Sharp	256MB MP3 Player
H10	Iriver	MP3 Player
YP-T10	Samsung	MP3 Player
YP-P2	Samsung	256MB MP3 Player

Specifications

GENERAL	Power Consumption	Main Unit	30W
		Subwoofer	100W
	Weight	Main Unit	3.1 kg
		Stand	5.9 kg
	Dimensions (W x H x D)	Main Unit	188 x 519 x 86 mm
		Stand	350 x 350 x 1025 mm
	Operating Temperature Range		+5°C~+35°C
	Operating Humidity Range		10% ~ 75%
FM TUNER	Usable Sensitivity		10dB
	S/N Ratio		60dB
	Distortion		0.5%
VIDEO OUTPUT	Composite Video		1.0Vp-p(75Ω load)
	Component Video		Y : 1.0Vp-p(75Ω load)
			Pr : 0.70Vp-p(75Ω load)
			Pb : 0.70Vp-p(75Ω load)
	HDMI		Impedance : 85~115Ω
AMPLIFIER	Front speaker output		167W x 2(3Ω)
	Center speaker output		167W(3Ω)
	Rear speaker output		167W x 2(3Ω)
	Subwoofer speaker output		165W(3Ω)
	Frequency range		20Hz~20KHz
	S/N Ratio		70dB
	Channel separation		60dB
	Input sensitivity		(AUX) 500mV

SPEAKER	Speaker system	5.1ch speaker system		
		Front/Center/Rear speaker		Subwoofer speaker
	Impedance	3Ω		3Ω
	Frequency range	140Hz~20kHz		35Hz~160Hz
	Output sound pressure level	88dB/W/M		90dB/W/M
	Rated input	167W		165W
	Maximum input	334W		330W
	Dimensions (W x H x D)	Front/Rear	106 x 1310 x 85 mm (Stand Base Ø340)	270 x 496 x 410 mm
		Center	427 x 108 x 85 mm	
	Weights	Front/Rear	5.1 kg	13 kg
		Center	1.6 kg	
WIRELESS MICROPHONE	Power	3 AA Size 1.5V batteries (DC 4.5V)		
	Weight	295g (including battery)		
	Transmission Frequency	720.400MHz ~ 722.900MHz		
	Channels	7 channels		
	Transmission Output	7mW		
	Transmission Frequency Radio Wave Type	F3E		
	Antenna Impedance	50Ω		
	Frequency Response	80Hz ~ 8,000Hz		
	Operating Temperature	-10°C~ 60°C		

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